Jandy®

Owner's Manual



AquaLink® RS

OneTouch™ Control Systems

For use with Pool/Spa Combination, Pool Only/Spa Only, and Dual Equipment AquaLink® RS Systems with Rev O.2 Firmware

⚠ WARNING

FOR YOUR SAFETY - This product must be installed and serviced by a professional pool/spa service technician. The procedures in this manual must be followed exactly. Failure to follow warning notices and instructions may result in property damage, serious injury, or death. Improper installation and/or operation will void the warranty.

6593M

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NOTE Some of the features described in this Manual DO NOT apply to all AquaLink® RS models.

Section 1. Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS

Lire la notice technique.

All electrical work must be performed by a licensed electrician and conform to all national, state, and local codes. When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

⚠ DANGER

To reduce the risk of injury, do not remove the suction fittings of your spa or hot tub. Never operate a spa or hot tub if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the equipment assembly.

⚠ WARNING

Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include dizziness, fainting, drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include: 1) unawareness of impending danger; 2) failure to perceive heat; 3) failure to recognize the need to exit spa; 4) physical inability to exit spa; 5) fetal damage in pregnant women; 6) unconsciousness resulting in a danger of drowning.

⚠ WARNING

To Reduce the Risk of Injury -

a) The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.
b) Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100°F (38°C).
c) Before entering a spa or hot tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices varies.
d) The use of alcohol, drugs, or medication before or during spa or hot tub use may lead to unconsciousness with the possibility of drowning.
e) Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
f) Persons using medication should consult a physician before using a spa or hot tub since some medication may induce drowsines while other medication may affect heart rate, blood pressure, and circulation.

⚠ WARNING

Risk of electric shock - Install the power center at least five (5) feet (1.52m) from the inside wall of the pool and/or hot tub using non-metallic plumbing. Canadian installations must be at least three (3) meters from the water.

Children should not use spas or hot tubs without adult supervision.

Do not use spas or hot tubs unless all suction guards are installed to prevent body and hair entrapment.

People using medications and/or having an adverse medical history should consult a physician before using a spa or hot tub.

⚠ AVERTISSEMENT

Danger d'electrocution - Les installations canadiennes doivent se trouver à au moins trois (3) mètres de l'eau.

Ne pas laisser les enfants utiliser une cuve de relaxation sans surveillance.

Pour éviter que les cheveux ou une partie du corps puissent être aspirés, ne pas utiliser une cuve de relaxation si les grilles de prise d'aspiration ne sont pas toutes en place.

Les personnes qui prennent des médicaments ou ont des problèmes de santé devraient consulter un médecin avant d'utiliser une cuve de relaxation.

WARNING

People with infectious diseases should not use a spa or hot tub.

To avoid injury, exercise care when entering or exiting the spa or hot tub.

Do not use drugs or alcohol before or during the use of a spa or hot tub to avoid unconsciousness and possible drowning.

Pregnant or possibly pregnant women should consult a physician before using a spa or hot tub.

Water temperature in excess of 100°F (38°C) may be injurious to your health.

Before entering a spa or hot tub, measure the water temperature with an accurate thermometer.

Do not use a spa or hot tub immediately following strenuous exercise.

Prolonged immersion in a spa or hot tub may be injurious to your health.

Do not permit any electric appliance (such as a light, telephone, radio, or television) within 5 feet (1.52m) of a spa or hot tub.

The use of alcohol, drugs or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

Water temperature in excess of 100°F (38°C) may be hazardous to your health.

AVERTISSEMENT

Les personnes atteintes de maladies infectieuses ne devraient pas utiliser une cuve de relaxation.

Pour éviter des blessures, user de prudence en entrant dans une cuve de relaxation et en sortant.

Pour éviter l’évanouissement et la noyade éventuelle, ne prendre ni drougue ni alcool avant d’utiliser une cuve de relaxation ni quand on s’y trouve.

Les femmes enceintes, que leur grossesse soit confirmée ou non, devraient consulter un médecin avant d’utiliser une cuve de relaxation.

Il peut être dangereux pour la santé de se plonger dans de l’eau à plus de 38°C (100°F).

Avant d’utiliser une cuve de relaxation mesurer la témperature de l’eau à l’aide d’un thermomètre précis.

Ne pas utiliser une cuve de relaxation immédiatement après un exercice fatigant.

L’utilisation prolongée d’une cuve de relaxation peut être dangereuse pur la santé.

Ne pas placer d'appareil électrique (luminaire, téléphone, radio, téléviseur, etc) à moins de 1.52m de cette cuve de relaxation.

La consommation d’alcool ou de drogue augmente considérablement les risques d’hyperthermie mortelle dans une cuve de relaxation.

Il peut etrê dangereux pour la santé de se plonger dans de l’eau à plus de 38°C (100°F).

WARNING

To avoid injury ensure that you use this control system to control only packaged pool/spa heaters which have built-in operating and high limit controls to limit water temperature for pool/spa applications. This device should not be relied upon as a safety limit control.

CAUTION

A terminal bar marked "GROUND" is provided within the power center. To reduce the risk of electrical shock, connect this terminal bar to the grounding terminal of your electric service or supply panel with a continuous copper conductor having green insulation and one that is equivalent in size to the circuit conductors supplying this equipment, but no smaller than no. 12 AWG (3.3mm). In addition, a second wire connector should be bonded with a no. 8 AWG (4.115mm) copper wire to any metal ladders, water pipes, or other metal within five (5) feet (1.52m) of the pool/spa.

CAUTION

A ground-fault circuit-interrupter must be provided if this device is used to control underwater lighting fixtures. The conductors on the load side of the ground-fault circuit-interrupter shall not occupy conduit, boxes, or enclosures containing other conductors unless the additional conductors are also protected by a ground-fault circuit-interrupter. Refer to local codes for complete details.

Attention installer: Install to provide drainage of compartment for electrical components.

SAVE THESE INSTRUCTIONS

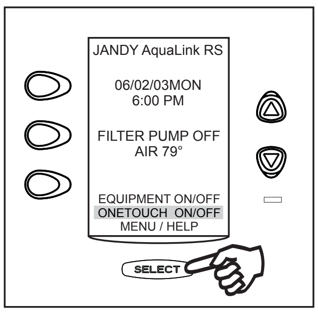
Section 2. Overview of the OneTouch™ Control Panel

This document gives instructions for operating the Jandy AquaLink® RS OneTouch indoor control panel. The instructions must be followed exactly. Read through the instructions completely before operating the equipment.

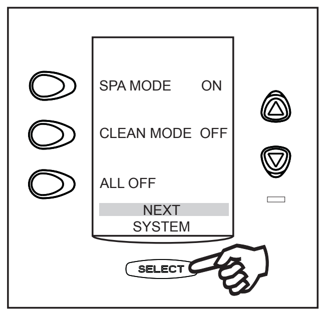
2.1 Basic Functions

The AquaLink® RS OneTouch can turn your pool/spa equipment on and off in any of the following three ways:

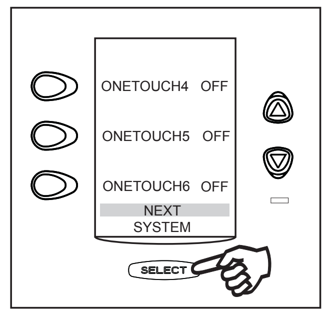
1. Activate the equipment manually through the EQUIPMENT ON/OFF menu.
2. Program the equipment to turn on and off at specific times. See Section 6.4 for a detailed explanation of how to program equipment for automatic operation.
3. Use the OneTouch buttons to create scene settings with just "one touch" of a button. For example, you can program the spa heater to heat to 101 degrees, spa light on, jets on, water features on, and then name the result Romantic Scene.



Default screen 1



Default screen 2

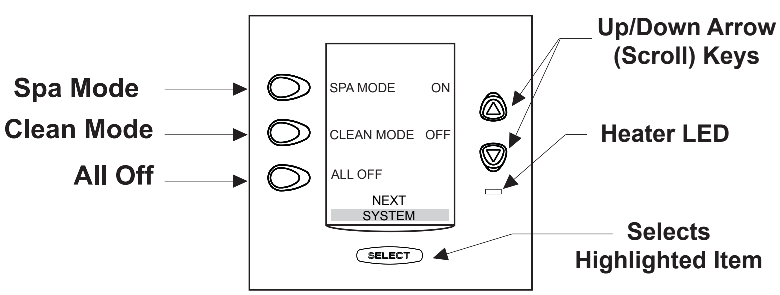


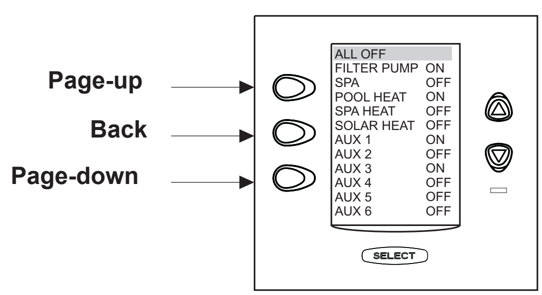
Default screen 3

NOTE The AquaLink® RS OneTouch has three default screens; the date/time/temp screen or the OneTouch quick operation screens. The OneTouch will return to the last screen used after a 30 second delay.

2.2 Using the Buttons

Use the buttons as explained in the diagram below. For an on-screen description of the buttons, select MENU/HELP, HELP, KEYS. When moving through the screens, you will have about 15 seconds before the controller will return to the previous screen. If you keep the Up or Down arrow button depressed, it will automatically step through the menu items in that direction.





2.3 Battery Back-Up

In the event of a power failure, date and time will be backed-up by the coin cell battery located in the power center enclosure. All other programs and menu setups do not require battery to store information.

2.4 Power Interruption

In the event there is a power interruption, and the AquaLink® RS system is in service or time out mode, the system will default to auto. In previous firmware versions, the system would default to last mode of operation.

Section 3. Using the Equipment On/Off Menu

3.1 Equipment On/Off

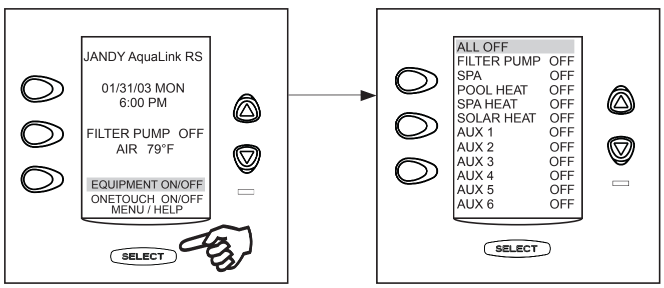
Use this menu to manually turn a piece of equipment on or off. The ALL OFF mode will turn off equipment that has been turned on by any means (manual or pre-programmed). This includes any of the heater enables that were on (unless in use by the maintain function).

3.1.1 To use Equipment On/Off

Highlight EQUIPMENT ON/OFF and press SELECT. To highlight an item, use the UP/DOWN arrow keys. Use the SELECT button to turn the equipment on or off. Return to the main menu by using the BACK button, or use the UP/DOWN arrow keys to highlight another device.

Highlight ALL OFF and press SELECT. After using ALL OFF, return to the main menu by using the BACK button.

NOTE When a piece of equipment is on, the LCD Screen will switch between the main menu and an equipment status screen that tells you what equipment is on.



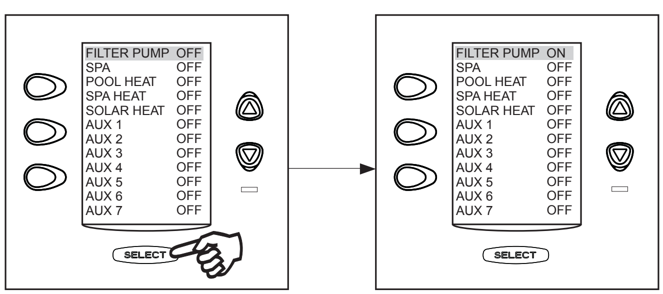
3.2 Filter Pump

The FILTER PUMP selection turns the main filtration pump on or off for circulation to the pool. The filter pump also activates if the spa is turned on, if the pool cleaner is turned on, or if the spa spill-over effect is activated. The main filtration pump circulates the pool or spa water through the filter and heater. The pump must be on if you want to display the pool temperature, or if you want to heat the pool.

For 2-speed operation, see Section 4.4.

3.2.1 To use Filter Pump

Highlight FILTER PUMP and press SELECT. Use the SELECT button to turn the equipment on or off.



3.3 Spa

The SPA mode switches water circulation from the pool to spa (pool/spa combination models only). Turning on the spa also activates the filter pump (after a delay for valve rotation) and deactivates the pool cleaner if it is on. The SPA mode must be on to display the spa temperature and/or to heat the spa. Activation takes place after a thirty second delay (while valves are turning).

3.3.1 To use Spa

Highlight SPA and press SELECT. Use the SELECT button to turn the spa on or off.

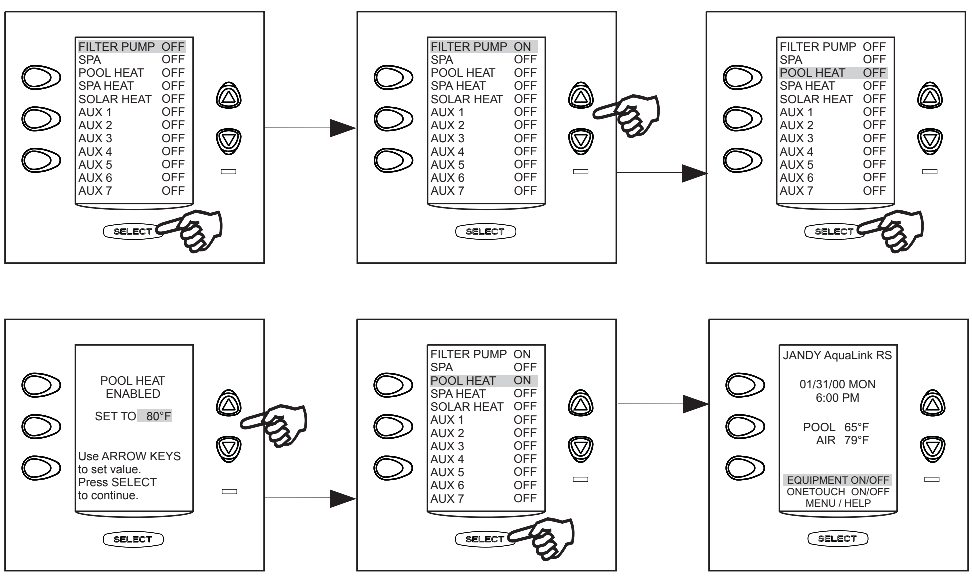


3.4 Pool Heat

The POOL HEAT selection enables the heater for the pool. When the LED is green, the heater is enabled. When the LED is red, the heater is on and firing. It uses the setting from SET TEMP menu, or you can increase/decrease when enabling.

3.4.1 To use Pool Heat

Highlight FILTER PUMP and press SELECT. Highlight POOL HEAT and press SELECT. Use the UP/DOWN arrow keys to set the desired temperature and press SELECT.

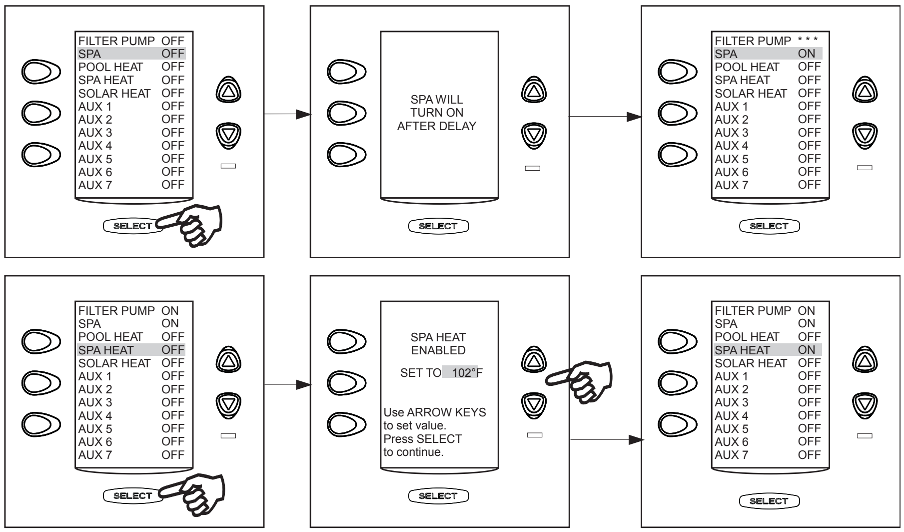


3.5 Spa Heat

The SPA HEAT enables the heater for the spa. When the LED is green, the heater is enabled. When the LED is red, the heater is on and firing. It uses the settings from SET TEMP menu, or you can increase/decrease when enabling.

3.5.1 To use Spa Heat

Highlight SPA and press SELECT. The spa will come on after a short delay. Highlight SPA HEAT and press SELECT. Use the UP/DOWN arrow keys to set the desired temperature and press SELECT.



3.6 Solar Heat

The SOLAR HEAT selection controls solar heating. A solar heating system and optional solar sensor are required for SOLAR HEAT selection to operate.

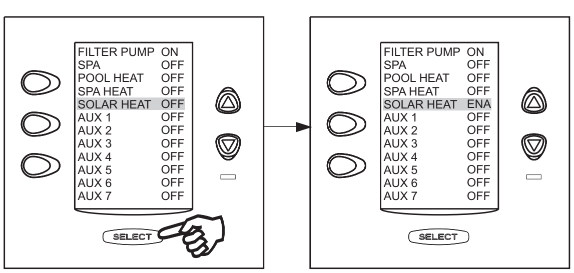
3.6.1 To use Solar Heat

Highlight SOLAR HEAT and press SELECT. Use the SELECT button to turn SOLAR HEAT on or off.

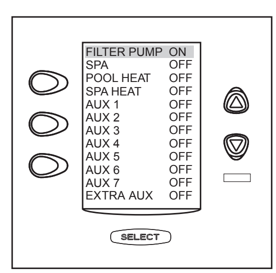
HEAT PUMP: If a Heat Pump is properly connected to this system, HEAT PUMP will appear on the screen in place of SOLAR HEAT.

If a solar sensor is not installed, EXTRA AUX replaces SOLAR HEAT and may be used to control an auxiliary (see Section 3.7, "Auxiliary Equipment" to turn on or off EXTRA AUX).

For solar heating to take place, the SOLAR HEAT (in EQUIPMENT ON/OFF) must be enabled, also the filter pump must be on. Solar temperature must be at least 5° F above the water temperature and the water must be cooler than the thermostat setting.



If no Solar Sensor is installed, EXTRA AUX will appear as a menu item.

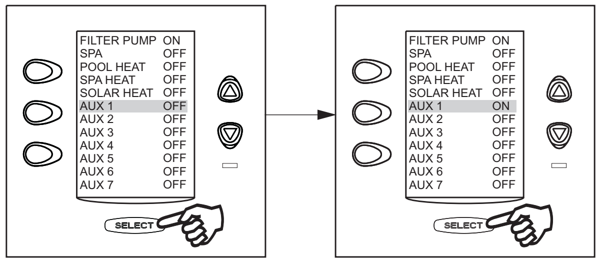


3.7 Auxiliary Equipment

The AUX modes control each of the auxiliary devices plus an extra AUX. To assign a different name to an auxiliary device, use the SYSTEM SETUP and LABEL AUX menus.

3.7.1 To turn an Auxiliary on or off

Highlight an AUX and press SELECT. Use the SELECT button to turn the equipment on or off.



3.8 Heat Pump

NOTE This equipment may not be part of your system. Please check with your installer.

The HEAT PUMP selection controls the heat pump operation.

3.8.1 To use Heat Pumps Controlled by Extra Aux/Solar Boost Relay

In order to use the heat pump, the filter pump must be turned on and the heat pump must be in HEAT MODE (see Section 7, U

sing the System Setup Menu), and the switch on the heat pump on the equipment pad must also be set to HEAT MODE.

NOTE HEAT PUMP takes the place of EXTRA AUX or SOLAR HEAT. It is not possible to have any two of these on the EQUIPMENT ON/OFF menu at the same time.
To operate the HEAT PUMP in this type of configuration, set the DIP switch S2-1 to ON and connect the HEAT PUMP temperature sensor to the SOLAR SENSOR input.

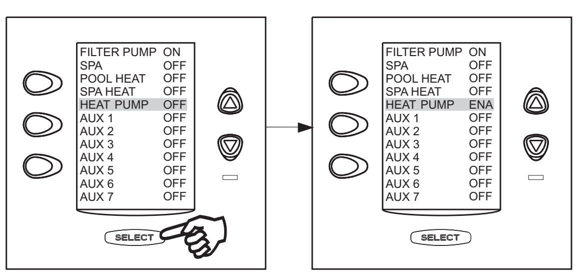
3.8.2 Heat Pumps Controlled by the RS485 Interface

In order to use the heat pump, the filter pump must be turned on and the heat pump must be in the HEAT MODE.

NOTE In this configuration, it is possible to have the HEAT PUMP and SOLAR HEAT on the EQUIPMENT ON/OFF at the same time.

NOTE If both HEAT PUMP and SOLAR HEAT are to be controlled by the system then set the DIP switch S2-1 to OFF and connect the SOLAR SENSOR to the SOLAR SENSOR input.

NOTE If SOLAR HEAT is not to be controlled by the system then set the DIP switch S2-1 to ON and connect the HEAT PUMP temperature sensor to the SOLAR SENSOR input.



3.8.3 To use Heat Pump

Highlight HEAT PUMP and press SELECT. Press the SELECT button to enable/disable the HEAT PUMP. The HEAT PUMP uses the heater temperature set point.

3.9 Chiller

NOTE This equipment may not be part of your system. Please check with your installer.

The CHILLER selection controls the chilling operation of the heat pump.

3.9.1 Heat Pumps (Chiller) Controlled by the Extra Aux/Solar Boost Relay

In order to use the chiller mode of the heat pump, the filter pump must be turned on and the heat pump must be in CHILLER MODE (see Section 7, Using the System Setup Menu), and the switch on the heat pump on the equipment pad must also be set to CHILLER MODE.

NOTE CHILLER takes the place of EXTRA AUX or SOLAR HEAT. It is not possible to have any two of these on the EQUIPMENT ON/OFF menu at the same time.
To operate the HEAT PUMP in this type of configuration, set the DIP switch S2-1 to ON and connect the HEAT PUMP temperature sensor to the SOLAR SENSOR input.

Important Information on Chiller

You must manually change the setting at your heat pump from Heat to Chiller.

3.9.2 Heat Pumps (Chiller) Controlled by the RS485 Interface

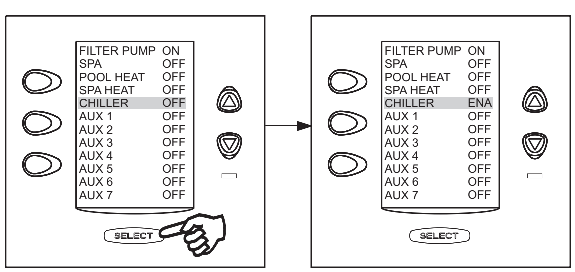
The CHILLER selection controls the chilling operation of the heat pump. In order to use the chiller mode of the heat pump, the filter pump must be turned on and the heat pump must be enabled. The heat pump will switch to chill automatically when the water temperature rises above the chiller temperature set point.

NOTE In this configuration, it is possible to have HEAT PUMP/CHILLER and SOLAR HEAT on the EQUIPMENT ON/OFF at the same time.

NOTE If both HEAT PUMP/CHILLER and SOLAR HEAT are to be controlled by the system then set the DIP switch S2-1 to OFF and connect the SOLAR SENSOR to the SOLAR SENSOR input.

NOTE If SOLAR HEAT is not to be controlled by the system then set the DIP switch S2-1 to ON and connect the HEAT PUMP temperature sensor to the SOLAR SENSOR input.

NOTE If the water temperature is greater than the chiller temperature setpoint then CHILLER is displayed on the EQUIPMENT ON/OFF screen. Otherwise HEAT PUMP is displayed.



3.9.3 To use Chiller

Highlight CHILLER and press SELECT. Press the SELECT button to enable/disable the CHILLER. The CHILLER uses the desired chilling temperature set point. Press SELECT to accept the value.

NOTE The system will force the Chiller set point to always be at least five (5) degrees Fahrenheit higher than the Heater set point.

3.10 Laminar Light Pulse Control

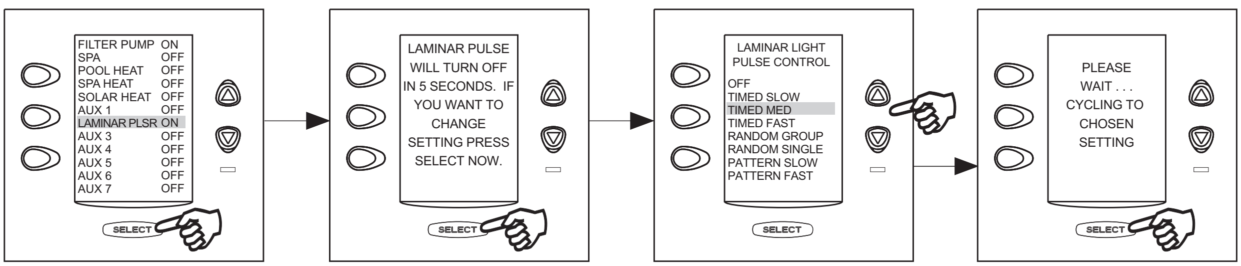
NOTE This equipment may not be part of your system. Please check with your installer.

The LAMINAR PULSE CONTROL menu is used to set the pulse rate of the laminar jets.

NOTE Prior to operating this feature, the Laminar Pulse Control must be labeled to an auxiliary (for example, AUX 2). See section 7, "Using System Setup - Label Aux Menu" to label the laminar pulse control to an auxiliary control.

Important Information

Do not activate this feature unless you are certain that a Laminar Pulse Control (LPC4) is installed on your system.

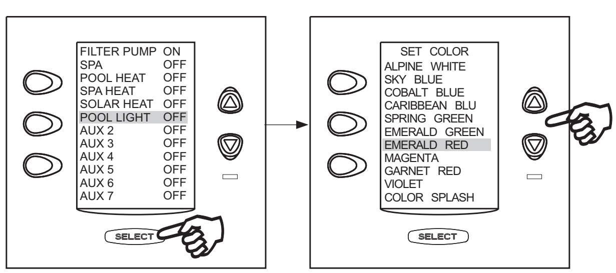


NOTE From the EQUIPMENT ON/OFF menu, you can turn the item ON or OFF or change the current setting. If you turn the Laminar Pulser (LAMINAR PLSR) ON, you have the option to change the current setting or it will come on using that setting.

3.10.1 To use Laminar Light Pulse Control

Highlight AUX 2 (or auxiliary assigned to laminar light) and press SELECT. The most recently selected pulse control function will be displayed. Use the UP/DOWN arrow keys to highlight the desired selection and press SELECT.

NOTE If the BACK key is pressed when on this screen, then the most recently selected pulse control function will be selected again. If the SELECT key or the BACK key is not pressed, and if it has been 15 seconds since the UP/DOWN keys have been pressed, then the most recently selected LPC4 function will be selected again.



3.11 Set Light Colors

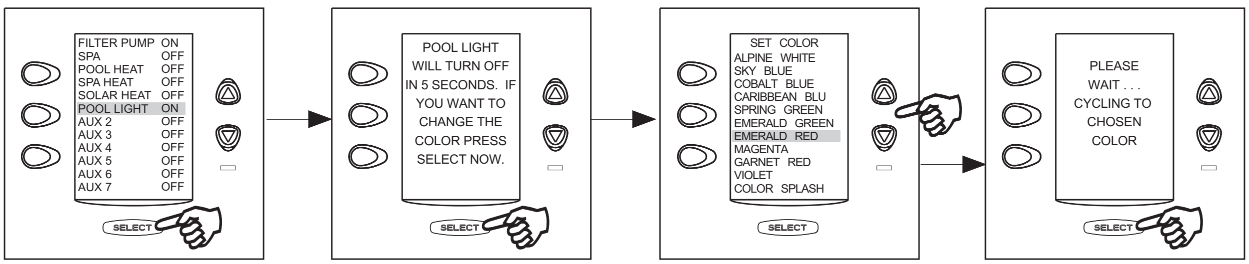
NOTE This equipment may not be part of your system. Please check with your installer.

The SET COLOR menu is used to set the color of a color light and then turn the light on.

NOTE Prior to setting the color of the light, the light must be assigned and controlled by an auxiliary (for example, AUX 1). See Section 7, "Using System Setup" to assign the light to an auxiliary control. Please note that the auxiliary control can be custom labeled.

3.11.1 To use Set Colors

Highlight the auxiliary assigned to the color light and press SELECT. A list of available colors will be displayed. The most recently selected color will be highlighted. Use the UP/DOWN arrow keys to highlight the desired color and press SELECT.



Important Information
Do not activate this feature unless you are certain that color lights are installed on your system

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NOTE If you select POOL LIGHT or SPA LIGHT from the EQUIPMENT ON/OFF menu and the light is already ON, pressing SELECT will display the message "LIGHT WILL TURN OFF IN 5 SECONDS. IF YOU WANT TO CHANGE THE COLOR PRESS SELECT NOW". If you press SELECT, the SET COLOR menu will open and allow you to select a different color. If a different color is chosen, the light will reset to Alpine White, rotate to the selected color, and then automatically lock on to that color. During the color rotation, the message "PLEASE WAIT…CYCLING TO CHOSEN COLOR" will be displayed.

When a pool or spa light is turned ON manually, by the OneTouch control panel, or by a program, the last used color will automatically be chosen unless you press SELECT to change the color.

If you press the BACK key when in the EQUIPMENT ON/OFF menu, the light will turn on the *last* selected color. If the SELECT key or the BACK key is not pressed, and if it has been 15 seconds since the UP/DOWN keys have been pressed, then the most recently selected color will be selected again.

3.12 Sprinkler System

NOTE This equipment may not be part of your system. Please check with your installer.

This feature allows the operation of a sprinkler system from the OneTouch™. The Sprinkler Module is controlled from two areas of the OneTouch™:

1. Sprinkler start and run time programming are accessed via the System Setup Menu.
2. Other sprinkler system features are accessed via the Equipment ON/OFF Menu.

3.12.1 Setting/Accessing Sprinkler System Features

In addition to the individual sprinkler programming, the user may enable or disable all sprinkler programs, cancel sprinkler programs for 24 hours, or manually start one or more sprinkler programs.

NOTE If there are no sprinkler programs set to ON, then SPRINKLERS does not appear in the EQUIPMENT ON/OFF list.

Selecting CANCEL TODAY, MANUAL START, DISABLE PROGRAMS or ENABLE PROGRAMS will supersede the current state of the sprinkler system. Selecting CANCEL TODAY, MANUAL START, or DISABLE PROGRAMS will cancel any currently running program before performing their function. Selecting ENABLE PROGRAMS will not cancel any currently running program before performing its function.

The SPRINKLERS entry in the EQUIPMENT ON/OFF menu also displays the current state of the sprinkler system. These states are:

OFF: The Sprinkler System is disabled until the user re-enables it. No program is run, regardless of its individual ON/OFF state.

ENA: The Sprinkler System is enabled, and any program set to ON whose start time occurs will start.

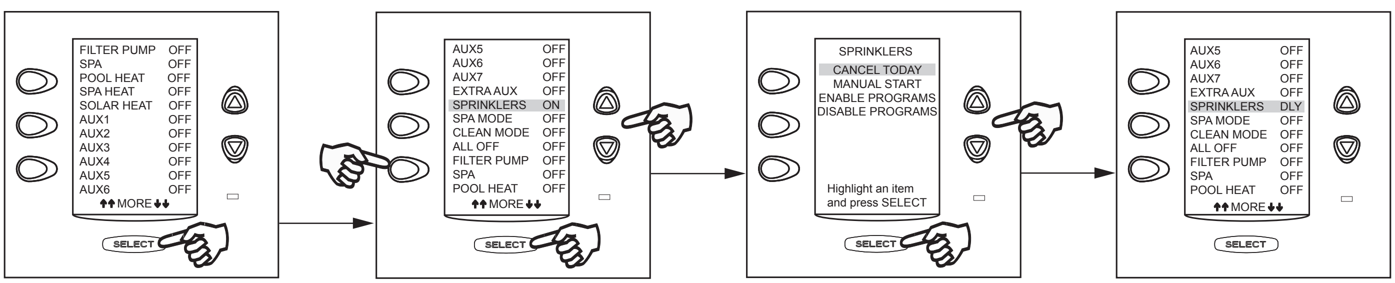
DLY: The Sprinkler System is disabled for 24 hours from the time DLY was selected. After 24 hours, the system returns to ENA state.

3.12.2 To set a 24 - Hour Sprinkler Delay

This feature is used to disable the sprinklers for a period of 24 hours. Select SPRINKLERS from the EQUIPMENT ON/OFF menu. This takes the user to a utility/system screen where the 24-hour delay state may be entered by selecting CANCEL TODAY. All pending programs are canceled and the system enters the delay state. After 24 hours the system returns to the ENA state.

The 24-hour time delay is reset each time CANCEL TODAY is selected.

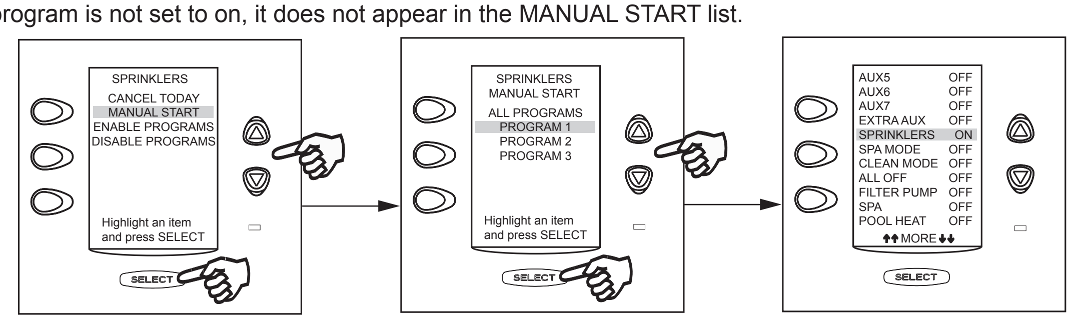
NOTE This feature may also be used to quickly turn off all sprinkler valves.



3.12.3 Manually Starting a Sprinkler Program

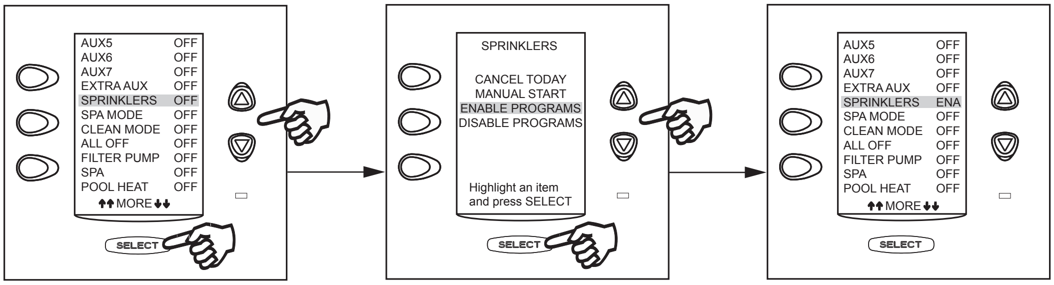
To start a program manually, the user selects MANUAL START from the sprinkler utility/system screen. Selecting MANUAL START presents the user with a screen providing the option to start all enabled programs or any individual enabled program. To manually start a program, highlight the desired program and press SELECT. The program is started immediately and runs to completion unless interrupted by the user. If ALL PROGRAMS is selected, all enabled programs are run in succession, in numerical order. The sprinkler system enters ENA state at the end of manually started programs.

NOTE If a program is not set to on, it does not appear in the MANUAL START list.



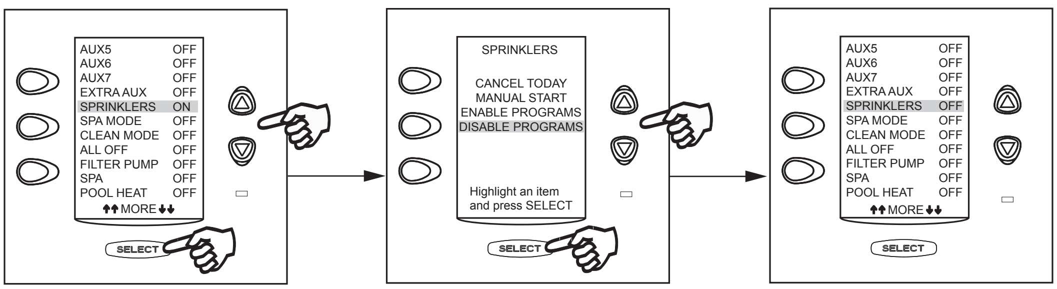
3.12.4 Enabling the Sprinkler System

To automatically run programs at their start times, the sprinkler control system must be in the enabled (ENA) state. To enable the sprinkler system, select ENABLE PROGRAMS from the utility/system screen.



3.12.5 Disabling the Sprinkler System

When the sprinkler control system is disabled, all running programs are canceled and no programs will run, regardless of their individual ON/OFF setting. To disable the sprinkler control system, select DISABLE PROGRAMS from the utility/system screen. After DISABLE PROGRAMS is selected, the system enters the OFF state.



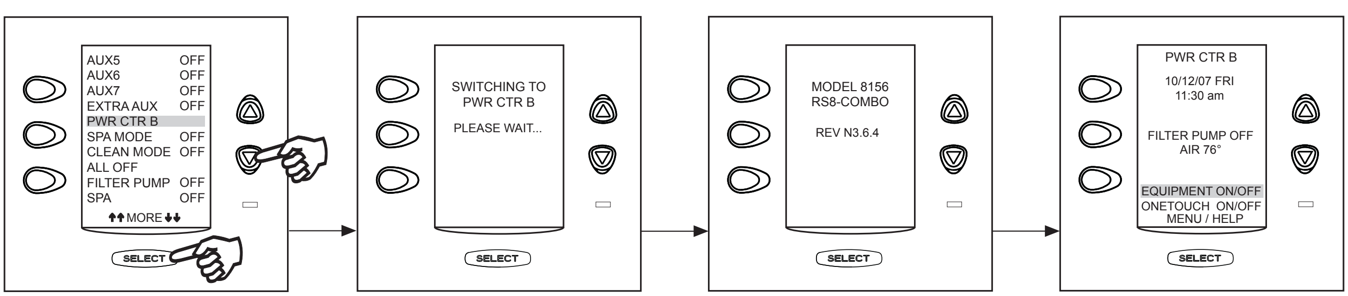
3.13 RS InterLink

NOTE This equipment may not be part of your system. Please check with your installer.

The RS InterLink menu allows a single controller to access two Power Centers on the AquaLink® RS system.

3.13.1 To set the RS InterLink

Highlight EQUIPMENT ON/OFF and press SELECT. Use the UP/DOWN arrow keys to highlight the PWR CTR B entry, and press SELECT. A screen " SWITCHING TO " will be displayed for five seconds, after which the command to switch over will be sent. Then a second Power Center's sign-on screen will appear, followed by its Date/Time screen.



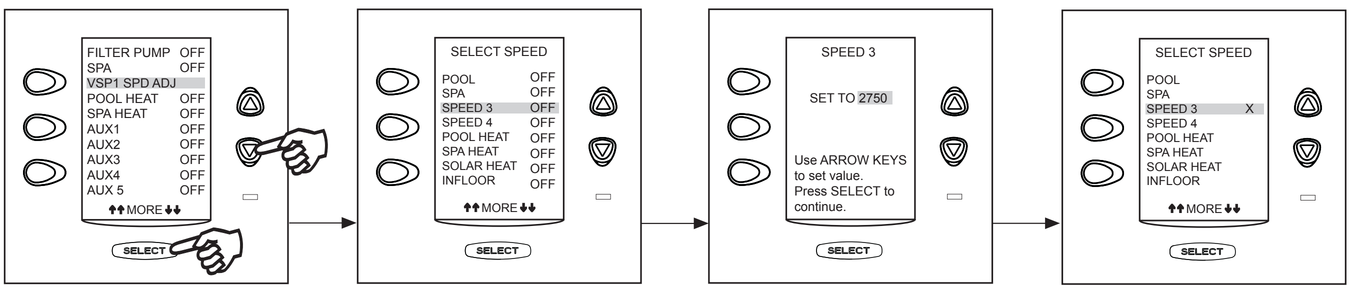
3.14 Variable Speed Pump

NOTE This equipment may not be part of your system. Please check with your installer.

The speed of a variable speed pump can be changed from the EQUIPMENT ON/OFF screen. The speed can be turned ON or OFF and it can be changed. In the example below the SPEED PRESET #3 is turned on and set to 2750 RPM.

3.14.1 To adjust the Variable Speed Pump Setting

Highlight EQUIPMENT ON/OFF and press SELECT. Use the UP/DOWN arrow keys to highlight the VSP1 SPD ADJ entry, and press SELECT. Use the UP/DOWN arrow keys to highlight SPEED 3, and press SELECT. Use the UP/DOWN arrow keys to set the value, then press SELECT.



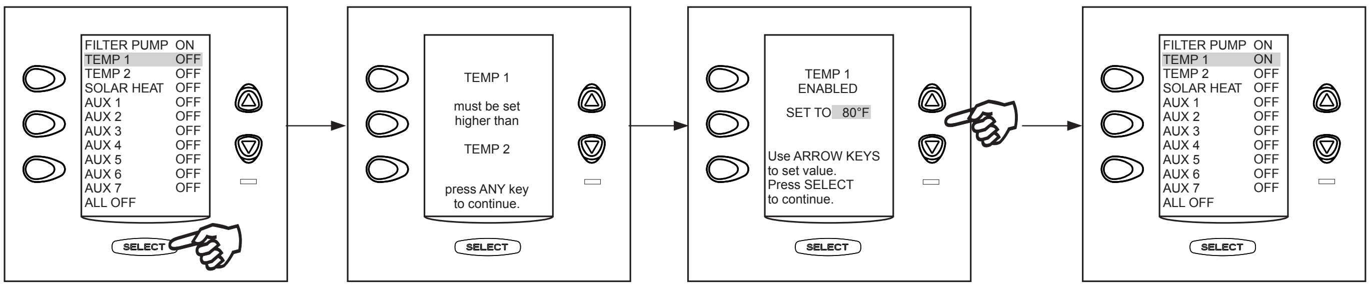
Section 4. Using the Equipment On/Off Model Specific Menus

4.1 TEMP1 (Pool or Spa Only)

TEMP1 is the priority temperature. It must be set higher than **TEMP2**, and it overrides **TEMP2** whenever it is enabled. Set temperature for **TEMP1** before setting temperature for **TEMP2**.

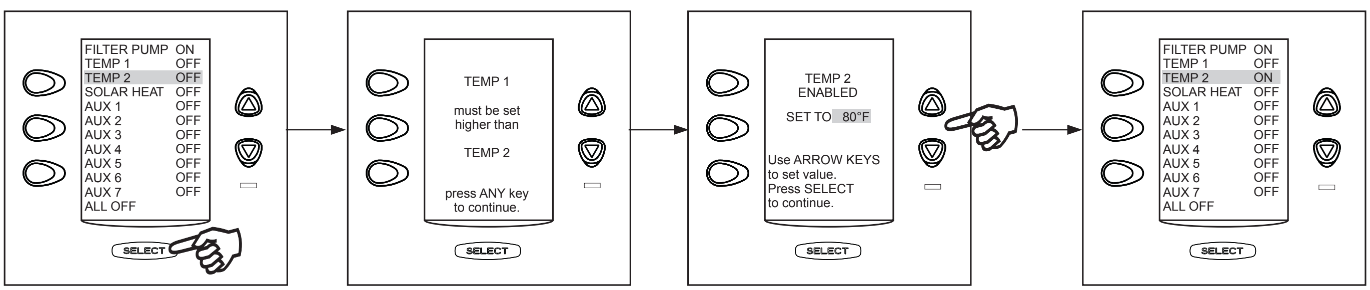
4.1.1 To set TEMP1 (Pool or Spa Only)

Highlight TEMP1 and press SELECT twice. Use the UP/DOWN arrow keys to set the desired water temperature and press SELECT to make that degree setting take effect. Return to the main menu by using the BACK button. TEMP2 (Pool or Spa Only) **TEMP2** is the maintenance (low) temperature. It must be set lower than **TEMP1**. If **TEMP2** is on and **TEMP1** is activated, **TEMP2** will turn off and ENABLED will flash. When **TEMP1** is turned off again**, TEMP2** will reactivate.



4.1.2 To set TEMP2 (Pool or Spa Only)

Highlight TEMP2 and press SELECT twice. Use the UP/DOWN arrow keys to set the desired water temperature and press SELECT to make that degree setting take effect. Return to the main menu by using the BACK button.

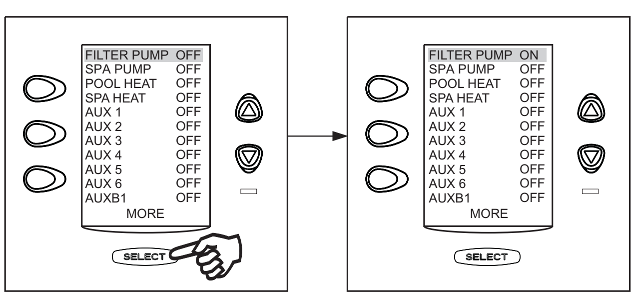


4.2 Filter Pump (Dual Equipment)

The FILTER PUMP selection turns the main filtration pump on or off for circulation to the pool. The filter pump also activates if the spa is turned on, if the pool cleaner is turned on, or if the spa spill-over effect is activated. The main filtration pump circulates the pool or spa water through the filter and heater. It must be on if you want to display the pool temperature, or if you want to heat the pool.

4.2.1 To use Filter Pump (Dual Equipment)

Highlight FILTER PUMP and press SELECT. Use the SELECT button to turn the equipment on or off.

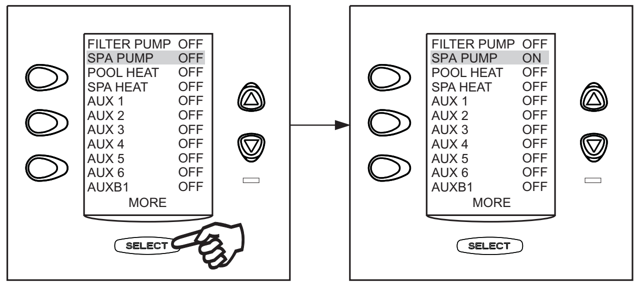


4.3 Spa (Dual Equipment)

Turning on the spa activates the filter pump. The SPA mode must be on to display the spa temperature and/or to heat the spa.

4.3.1 To use Spa (Dual Equipment)

Highlight SPA PUMP and press SELECT. Use the SELECT button to turn the spa on or off.



4.4 Two Speed Operation (*Not Available for Export Models*)

NOTE This equipment may not be part of your system. Please check with your installer.
- Optional TWO SPEED RELAY required.

4.4.1 Two Speed Manual Operation

- **For Pool and Spa Combination Units**

  If your control is a POOL and SPA combination with a 2-speed filtration pump, the control will operate as follows: HIGH SPEED (Filter Pump) must be on before LOW SPEED. Filter pump button, as well as the Spa button, turns it to HIGH SPEED. LOW SPEED (AUX 2) button toggles back and forth from LOW to HIGH.

- **For Pool or Spa Only Units**

  To use HIGH/LOW Speeds, Filter Pump turns on HIGH SPEED, AUX 2 turns on LOW SPEED. Whatever mode last used is the OFF button. To toggle, press whichever speed is not on.

- **For Dual Equipment Units**

  AquaLink® RS 2/6 operates the same as the Pool/Spa Only units; i.e., Filter Pump turns on HIGH SPEED and AUX 2 turns on LOW SPEED. The mode last used is the OFF button. To toggle, press whichever speed is not on. 2-speed works only on spa filter pump.

- **Two Speed Programming for All Units**

  When programming HIGH and LOW Speeds to operate together, think of HIGH SPEED (Filter Pump) as total duration of filtration time, then set Low Speed (AUX 2) to operate within that duration. For example, if you want High Speed on for 2 hours and Low Speed for 10 hours, program the Filter Pump (High Speed) from 8 AM to 8 PM and Low Speed from 10 AM to 8 PM.

NOTE It is not necessary to program both HIGH and LOW Speeds, even with a combo control system. If only LOW SPEED is programmed, HIGH SPEED will turn on at the LOW SPEED on time to prime the pump. After 3 minutes the system will switch to LOW SPEED for the remainder of its programmed time.

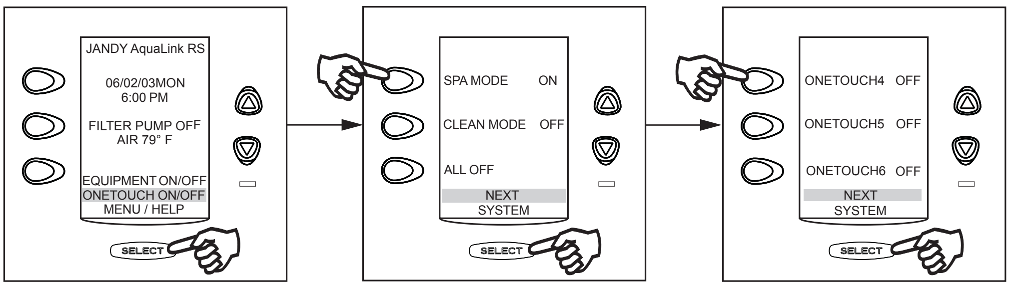
Section 5. Using the OneTouch™ Menu

5.1 OneTouch

Each individual OneTouch mood/scene setting will allow you to run multiple devices and heat to preset water temperatures with the touch of one button (see Section 7.1, OneTouch under System Setup menu).

5.1.1 To use OneTouch

Use this menu to turn on or off one of six mood/scene settings. Highlight ONETOUCH ON/OFF and press SELECT. To activate a mood/scene setting, use the button directly opposite to select the proper mode.



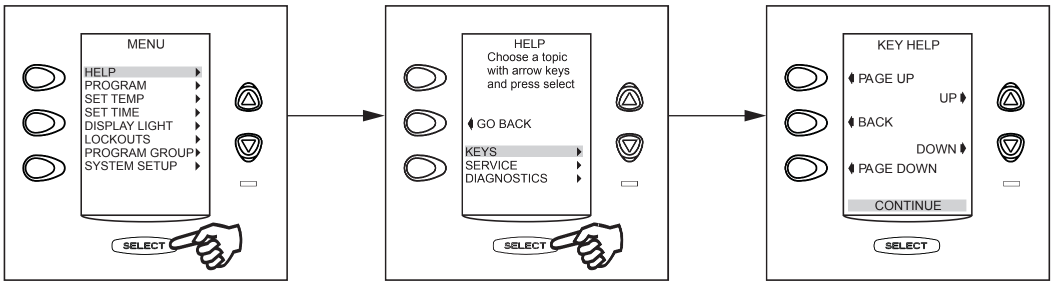
Section 6. Using the Help Menu

6.1 Keys Menu

In the HELP menu you will find the KEYS menu. The KEYS menu identifies the buttons on the control panel.

6.1.1 To use the Keys menu

Highlight MENU/HELP and press SELECT, highlight HELP and press SELECT. Highlight KEYS by using the UP/DOWN arrow keys and pressing SELECT. Return to the main menu by highlighting CONTINUE and pressing SELECT or use the BACK button.

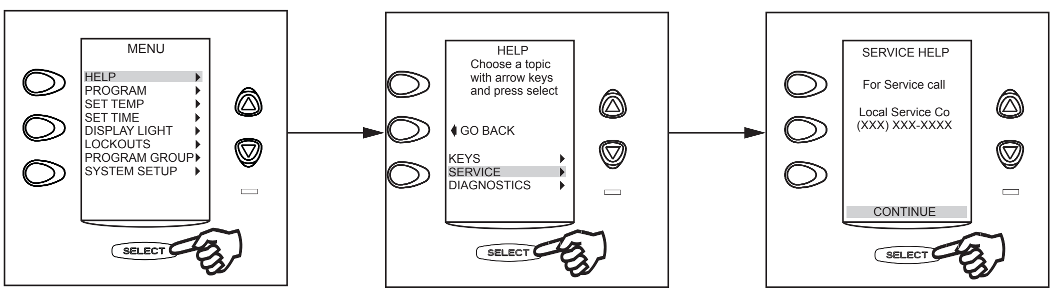


6.2 Service Menu

In the HELP menu you will find the SERVICE menu. The SERVICE menu gives you the phone number (if entered) for your local service company. See PRODUCT INFO menu, under SYSTEM SETUP, to enter your local service company information.

6.2.1 To use the Service menu

Highlight MENU/HELP and press SELECT, highlight HELP and press SELECT. Highlight SERVICE by using the UP/DOWN arrow keys and press SELECT.

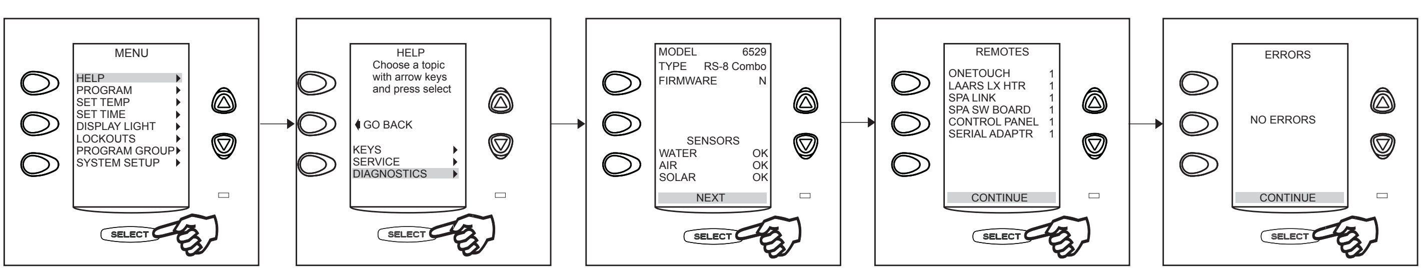


6.3 Diagnostics Menu

In the HELP menu you will find the DIAGNOSTICS menu. The DIAGNOSTICS menu tells you the model, type, and firmware revision level. Also, the connection of temperature sensors is checked.

6.3.1 To use the Diagnostics menu

Highlight MENU/HELP and press SELECT, highlight HELP and press SELECT. Highlight DIAGNOSTICS by using the UP/DOWN arrow keys and press SELECT. Select NEXT and a check of the remote(s) will be run. Select CONTINUE and the system will check for errors.



6.4 Program Menu

The Program menu allows on and off times for any equipment controlled by the AquaLink® RS. You can program equipment to turn on or off all days, weekends, weekdays, or any specific day of the week. Each piece of equipment can be programmed for multiple on/off times each day.

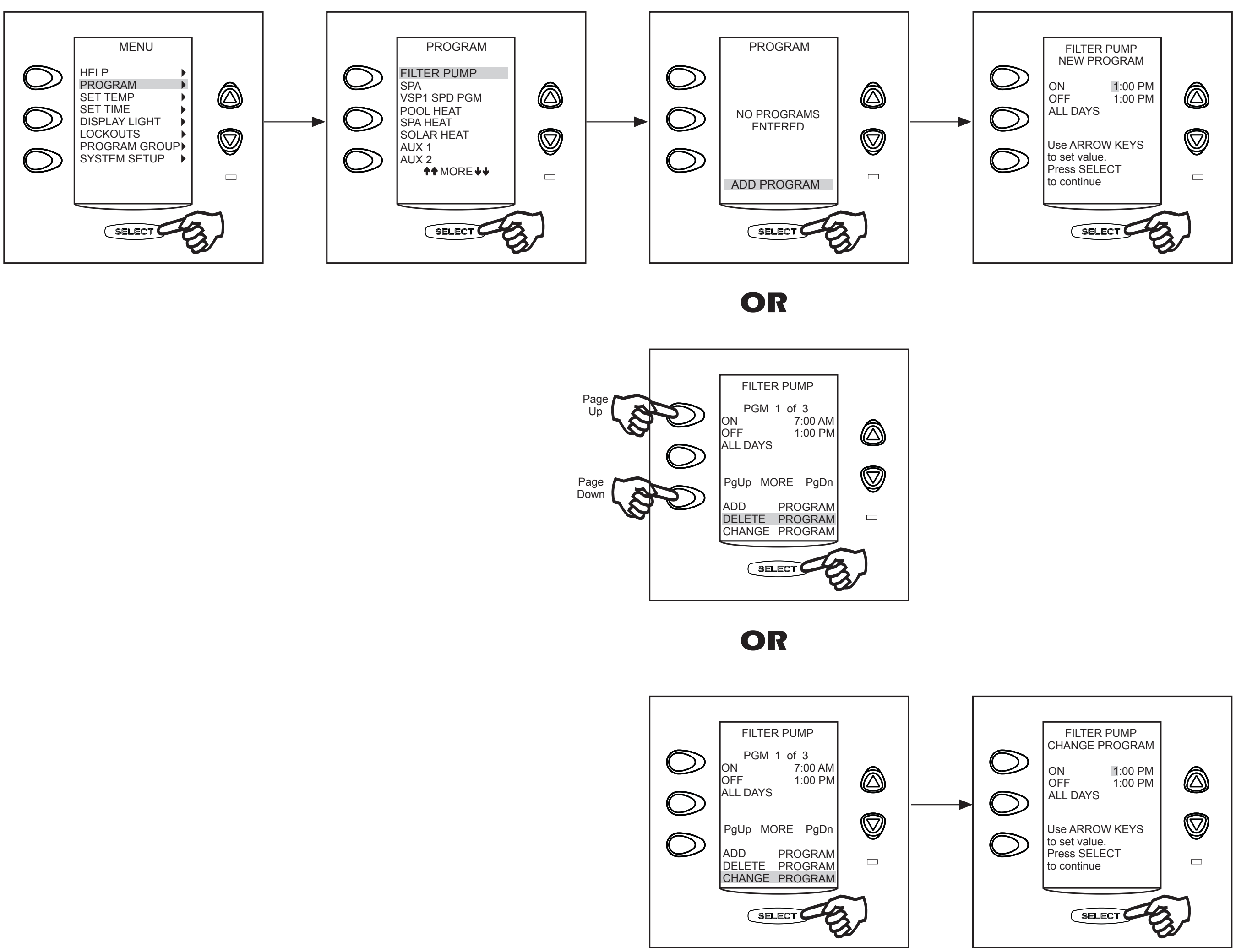
To add programs use the PROGRAM menu. Highlight ADD PROGRAM, and press SELECT. Use UP/DOWN arrows keys to set times, press SELECT to continue.

To delete programs, use the PROGRAM menu. Highlight DELETE PROGRAM, and press SELECT. Program to be deleted must be displayed on screen. To scroll through multiple programs, use the UP/DOWN arrows keys to select the program to be deleted.

To change programs, also use the PROGRAM menu. Highlight CHANGE PROGRAM, and press SELECT. Program to be changed must be displayed on screen. To scroll through multiple programs, use the UP/DOWN arrows keys to select the program to be changed.

6.4.1 To set automatic On and Off Times

Highlight MENU/HELP and press SELECT, highlight PROGRAM and press SELECT. While in the PROGRAM menu, highlight the piece of equipment and press SELECT, highlight ADD PROGRAM and press SELECT, enter the ON/OFF times and the day(s) by using the UP/DOWN arrow buttons to set values and the SELECT button to continue. When the days have been selected, the screen will change to show the piece of equipment selected, number of programs, on/off times, day(s) selected, a prompt to PAGE UP and PAGE DOWN to scroll between programs (if more than one), and the chance to add, delete, or change any of the settings to a program. Use the BACK button to go to the previous screen.



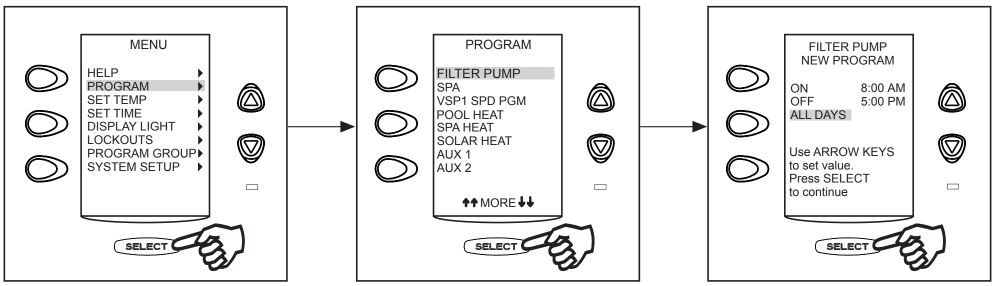
6.4.2 Programming the Variable Speed Pump

This section describes how to program a variable speed pump.

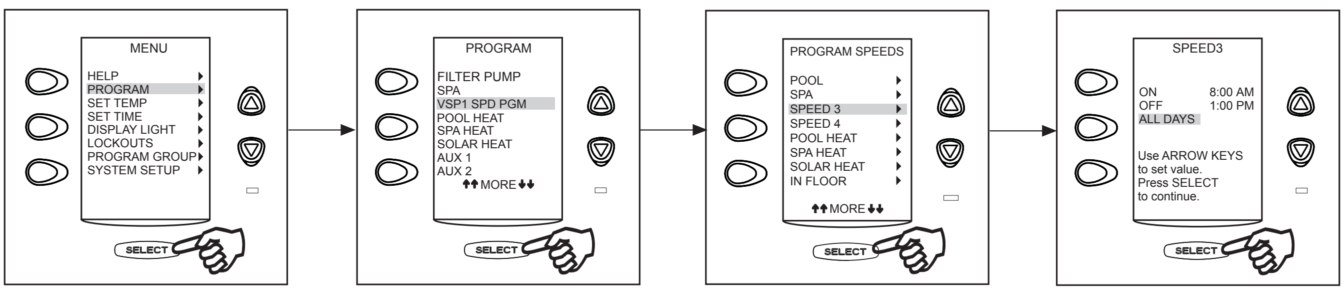
A variable speed pump can be programmed to run at any one of its eight (8) speeds. If the variable speed pump is used for pool filtration, then it will be powered from the FILTER PUMP relay. Therefore to program the variable speed pump you must first set a program time for the FILTER PUMP, then you need to program the pump speeds to turn on/off during the FILTER PUMP cycle. If you do not program any speeds to run during the filtration cycle, then by default the variable speed pump will run at the POOL speed setting during its filtration cycle.

Example:

1. The total length of the filtration cycle is to be from 8am to 5pm, therefore, program the FILTER PUMP to turn on at 8am and to turn off at 5pm.

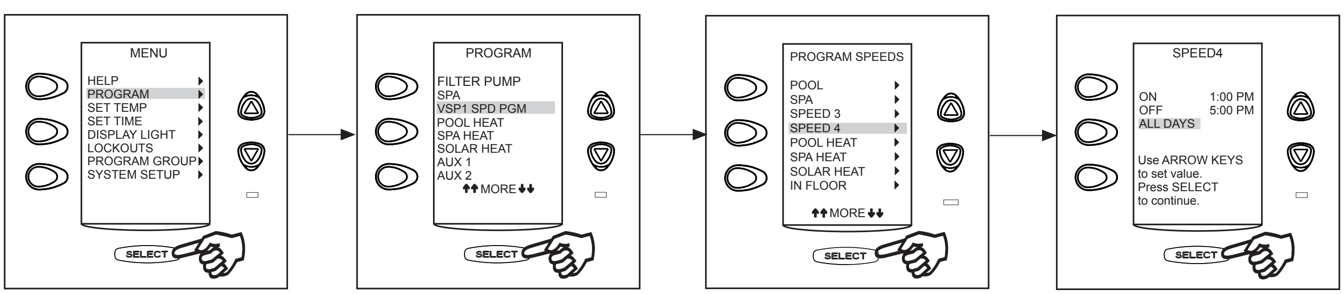


2. To run the variable speed pump at the SPEED3 setting from 8am to 1pm, highlight and select VSP SPD1 PGM, then highlight and select SPEED3, program it to turn on at 8am and off at 1pm.



3. To run the variable speed pump at the SPEED4 setting from 1pm to 5pm, highlight and VSP SPD1 PGM, then highlight and select SPEED4, program it to turn on at 1pm and off at 5pm.

	ON	OFF	DESCRIPTION
FILTER PUMP	8AM	5PM	Total duration of filtration cycle
SPEED3	8AM	1PM	Pump runs at the SPEED3 setting
SPEED4	1PM	5PM	Pump runs at the SPEED4 setting



6.5 Set Temperature Menu

The SET TEMP menu allows you to preset the pool and spa thermostats. The default pool temperature is 80°F. The default spa temperature is 102°F. (The default TEMP1 temperature is 80ºF. The default TEMP2 temperature is 60ºF.)

SET TEMP will allow you to ENABLE the Maintain Temperature feature and adjust the hours to limit the time of day the Maintain Temperature feature will be active.

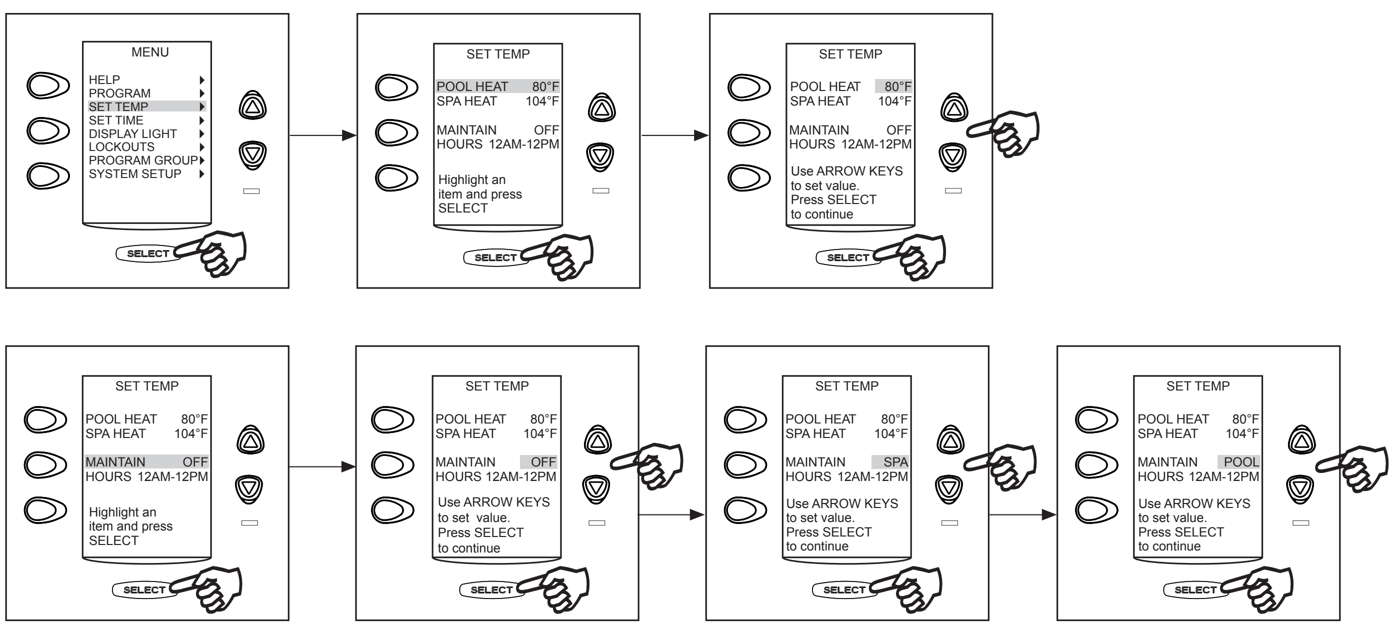
6.5.1 To set Pool/Spa Temperatures

Highlight MENU/HELP and press SELECT, highlight SET TEMP and press SELECT. Inside the SET TEMP menu, use the UP/DOWN arrow keys to highlight either POOL (TEMP1) or SPA (TEMP2) and press SELECT. Use the UP/DOWN arrow keys to increase or decrease the temperature and press SELECT to apply.

MAINTAIN TEMP SETTING: highlight MAINTAIN and press SELECT to turn on (or off) this function. The MAINTAIN feature will run the pump and heater as required to keep the water at the desired temperature. When this feature is on, the system will periodically activate the pump, sample the water, and fire the heater to maintain the preset temperature as required. Heater must be enabled at all times for this feature to maintain temperature.

HOURS: Highlight HOURS and press SELECT. Use the UP/DOWN arrow keys to change the HOURS the system will maintain the preset temperature.

NOTE Only Dual Equipment models will maintain more than one body of water.

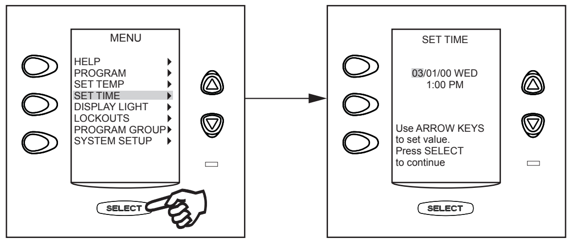


6.6 Set Time Menu

The SET TIME menu allows the correct time and date to be entered. The correct time and date ensures that programming will work properly.

6.6.1 To set the Time

Highlight MENU/HELP and press SELECT, highlight SET TIME and press SELECT. Use the UP/DOWN arrow keys to set values. Press the SELECT button to continue.



6.7 AquaPure® Menu

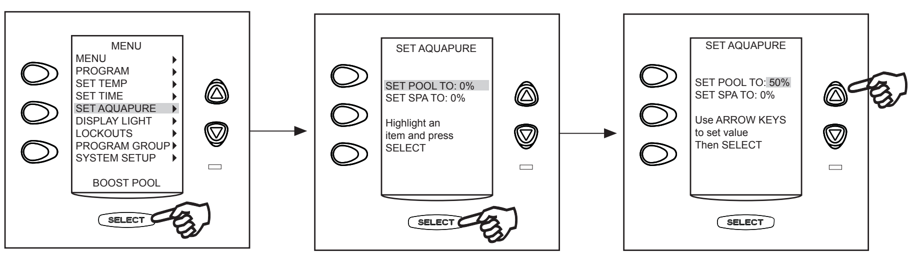
NOTE This equipment may not be part of your system. Please check with your installer.

AquaPure® Chlorine Generator systems exclusively communicate with the AquaLink® RS. The AquaLink® RS Control Panel will display % of chlorine output. When interfaced with the AquaPure® chlorine generator or PureLink™, the AquaLink® RS allows for two different pool and spa set points for chlorine production.

This menu item will only appear when an AquaPure® chlorine generator is connected to the AquaLink® RS system.

6.7.1 To set the AquaPure® Output Percentage (%)

Highlight MENU/HELP and press SELECT, highlight SET AQUAPURE and press SELECT. Inside the SET AQUAPURE menu, select either the SET POOL TO: or SET SPA TO: and press SELECT. Use the UP/DOWN arrow keys to set the percentage then press SELECT.

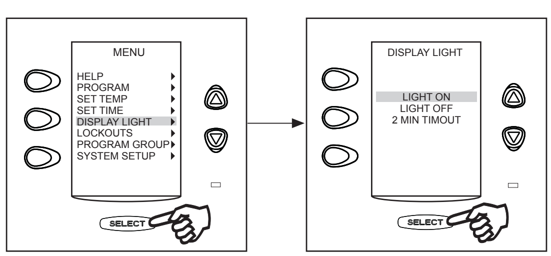


6.8 Display Light Menu

The DISPLAY LIGHT menu can be set to on, off, or with a two (2) minute time out. Pressing any button will turn display light on (unless the display is set to off).

6.8.1 To change the Display Light

Highlight MENU/HELP and press SELECT, highlight DISPLAY LIGHT and press SELECT. Use the UP/DOWN arrow keys to set values and the SELECT button to continue.



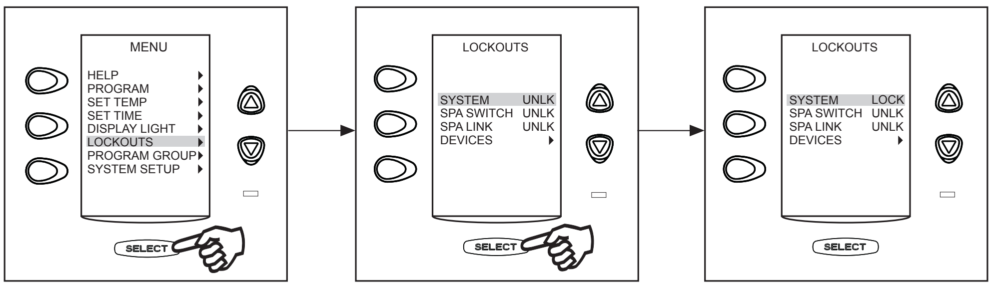
6.9 Lockout Menu

The LOCKOUTS menu prevents changes to specific AquaLink® RS operations. When SYSTEM feature is on "LOCK", changes to program and system setup items are prevented. When SPALINK® RS and SPA SWITCH features are on "LOCK", all control from the SpaLink® RS and Spa Side Switch are prevented.

When DEVICE feature is on "LOCK", the selected device cannot be controlled manually. However, the device can be controlled by a program.

6.9.1 To use Lockout

Highlight MENU/HELP and press SELECT, highlight LOCKOUTS and press SELECT. Highlight a feature and press SELECT. Use the SELECT button to toggle between UNLK and LOCK, and the UP/DOWN arrow keys to move between devices. Press the BACK button when done.



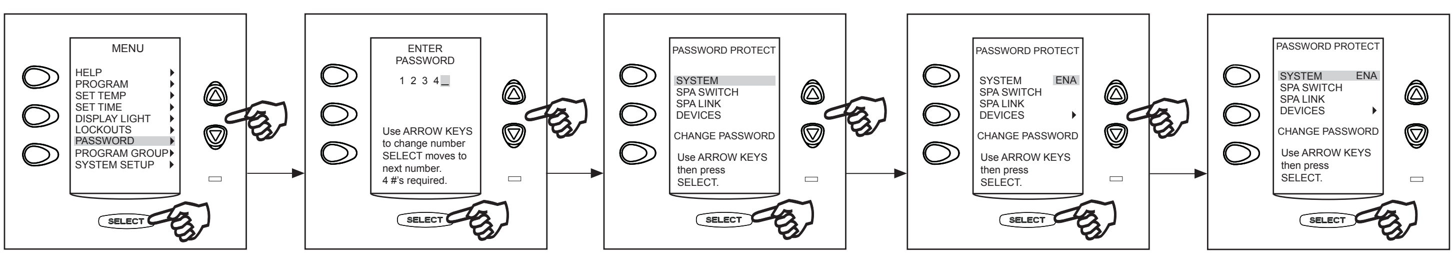
6.10 Password Protection Menu (For Systems, Programs and Devices)

With this feature, the user may restrict access to programs, temp settings, group settings, and system setup. One practical use of this feature might be to allow an owner to restrict the control of equipment located at a rental property.

6.10.1 To use Password Protect System

Highlight MENU/HELP and press SELECT, highlight PASSWORD and press SELECT. Use the UP/DOWN arrow keys to change the number. Press SELECT to move to the next number. Highlight SYSTEM and press SELECT. Use the UP/DOWN arrow keys to ENABLE and press SELECT.

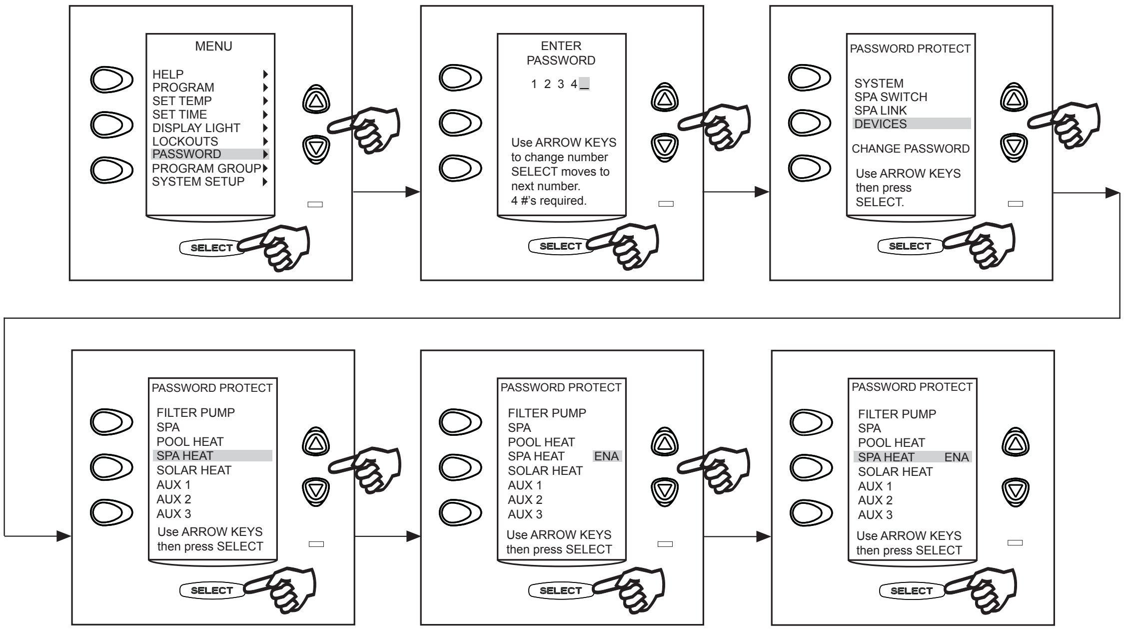
NOTE Password must be 4 numbers and the same password is used for System, Programs, Spa Side Switch, SpaLink® and Devices.



6.10.2 To use Password Protect Devices

Highlight MENU/HELP and press SELECT, highlight PASSWORD and press SELECT. Use the UP/DOWN arrow keys to change the number. Press SELECT to move to the next number. Highlight DEVICES and press SELECT. Use the UP/DOWN arrow keys to choose any device and press SELECT. Use the UP/DOWN arrow keys to ENABLE and press SELECT.

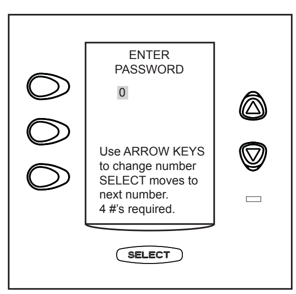
NOTE Password must be 4 numbers and the same password is used for System, Programs, Spa Side Switch, SpaLink® and Devices.



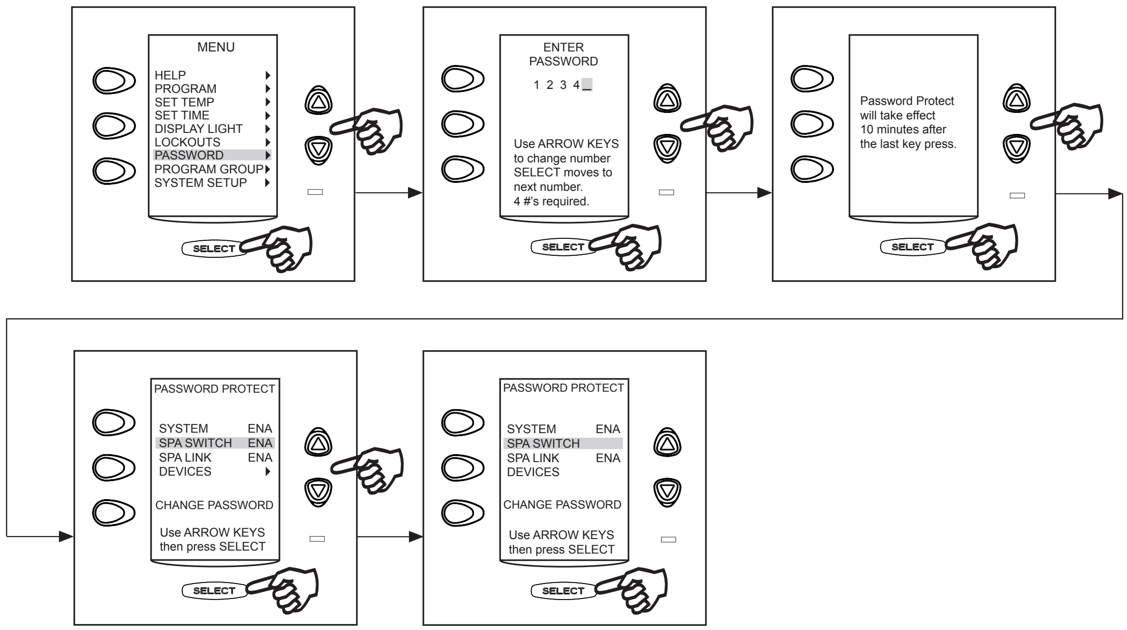
6.10.3 How to Use the System when a Password is Enabled

If a Password is Enabled for the System and a user tries to access: Set Temp, Set Time, Programs, Program Groups, or System Setup, a Password Entry Screen will appear to allow the user to continue with their selection.

If a Password is Enabled for a Device, and a user tries to access that device from a OneTouch™ control panel, a Password entry Screen will appear to allow the user to continue with their selection.



If a Password is Enabled and Entered for a SpaLink® or a Spa Side Remote and a user tries to use either of those devices, the units will not respond. To enable any of these devices, highlight MENU/HELP and press SELECT, highlight PASSWORD and press SELECT. Use the UP/DOWN arrow keys to choose SPA SIDE SWITCH or SPALINK® and choose DISABLE and press SELECT, then enter the current password.



The system will accept a default password of 1234. The password can be changed. When changing the password be sure to write down this new password and save it someplace where it can be retrieved in the event that it is forgotten. If a password is forgotten, consult your dealer for instructions.

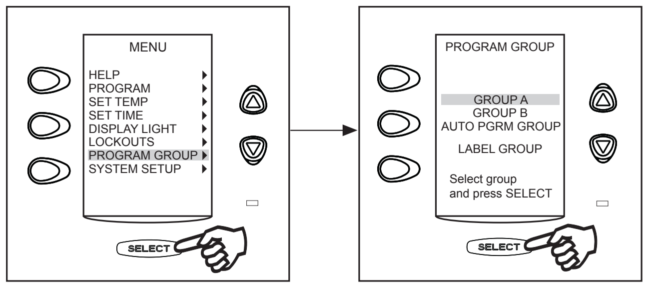
Passwords will only be applied if the PASSWORD PROTECT item is set to ENA and a PASSWORD is entered. Password protecting the system, programs, or devices does not require Lockouts to be set for those devices.

6.11 Program Group Menu

Program groups are useful for changing between specific settings for summer, winter, or vacation. The AquaLink® RS will store on/off times for equipment in each group. Use the Program Group menu to switch between Program Group A and Program Group B. Group A is the default. Program Group A or B will not appear unless PROGRAM GROUP has been selected. Confirm you are in the right Program Group before programming equipment.

6.11.1 To use Program Group menu

Highlight MENU/HELP and press SELECT, highlight PROGRAM GROUP and press SELECT. Use the UP/DOWN arrow keys to move between GROUP A & GROUP B. Use the SELECT button to choose which program group to run.



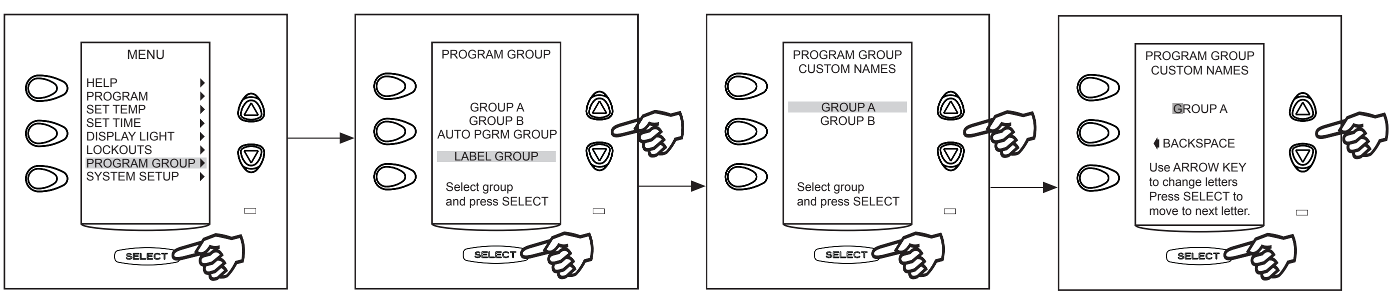
6.12 Custom Labeling of Program Group Menu

This feature allows custom naming of PROGRAM GROUP.

6.12.1 To use the Custom Labeling of Program Group menu

Highlight MENU/HELP and press SELECT, highlight PROGRAM GROUP and press SELECT. Use the UP/DOWN arrow keys to select LABEL GROUP and press SELECT. Use the UP/DOWN arrow keys to select either GROUP A or GROUP B and press SELECT.

Under CUSTOM NAMES you may type in any name. Use the UP/DOWN arrow keys to change letters and press SELECT to move to the next letter. Use the UP/DOWN arrow keys to select BACKSPACE and press SELECT when required.



6.13 Auto Switching of Program Group Menu

This feature automates the selection of PROGRAM GROUP A and PROGRAM GROUP B. The example below shows how to enable the automatic switching of GROUP A on May 17th to GROUP B on September 8th.

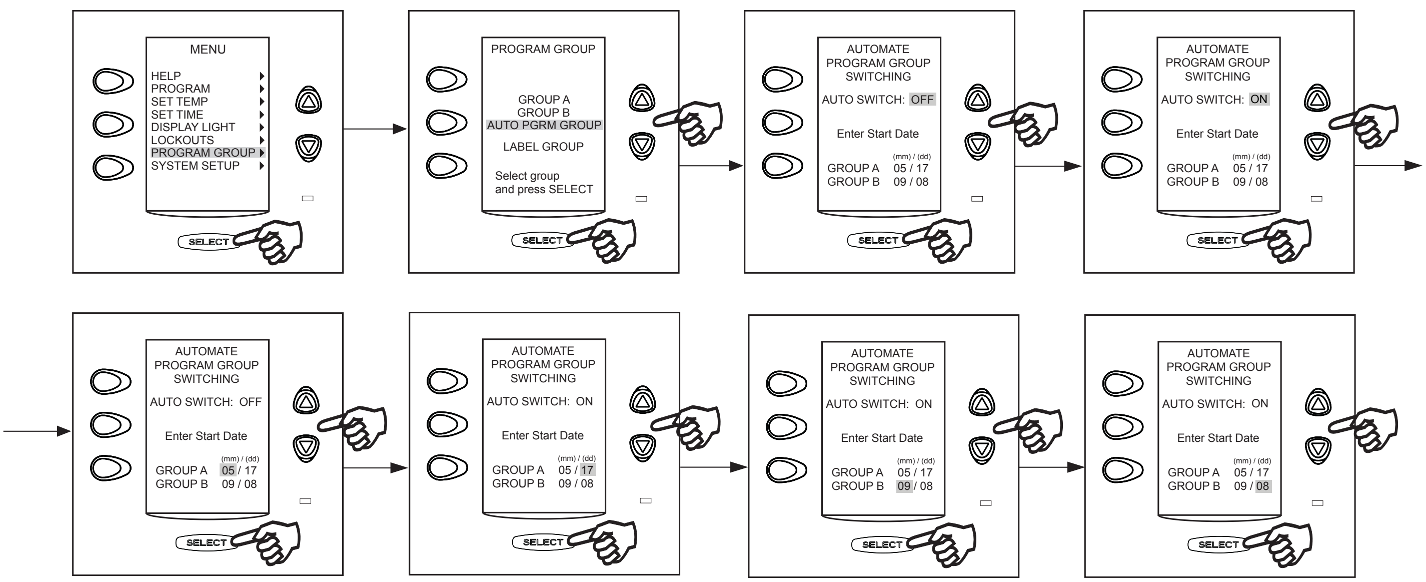
6.13.1 To use Auto Switching of Program Group menu

Highlight MENU/HELP and press SELECT, highlight PROGRAM GROUP and press SELECT. Highlight AUTO PGRM GROUP and press SELECT. Use the UP/DOWN arrow keys to turn the function ON, press SELECT.

Enter the start date for GROUP A, use the UP/DOWN arrow keys to select the month of GROUP A and press SELECT. Use the UP/DOWN arrow keys to select the day of GROUP A and press SELECT.

Enter the start date for GROUP B, use the UP/DOWN arrow keys to select the month of GROUP B and press SELECT. Use the UP/DOWN arrow keys to select the day of GROUP B and press SELECT.

Press SELECT to return to the MENU/HELP screen.

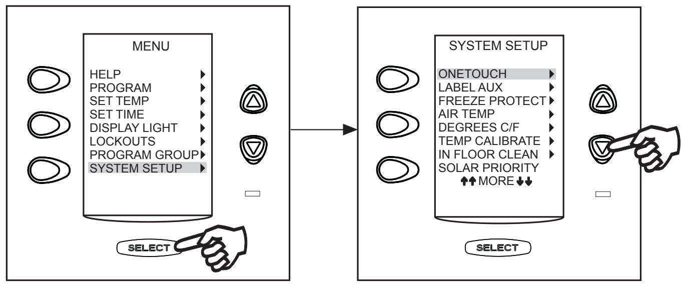


6.14 System Setup Menu

Check with installer before making changes to the SYSTEM SETUP.

6.14.1 To use the System Setup menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT. Use the UP/DOWN arrow keys to move the highlight bar up or down, **or** use PAGE UP or PAGE DOWN to move through the menus. Press SELECT on the highlighted item to move to the next screen.



6.15 Boost Pool Menu

Activates the BOOST POOL feature that will operate the AquaPure® Chlorine Generator in Pool Mode at 100% output for 24 hours. Boost Pool mode will override all programs, ALL OFF settings, as well as manual operation of the filter pump. Boost is not available in Spa Mode.

NOTICE

The AquaLink® RS is compatible with only Jandy AquaPure®, Jandy PureLink™ and Clormatic branded Electronic Chlorine Generators. Connecting other brands of Electronic Chlorine Generators to the AquaLink® RS system will disable the Electronic Chlorine Generator and cause the AquaLink® RS to function improperly.

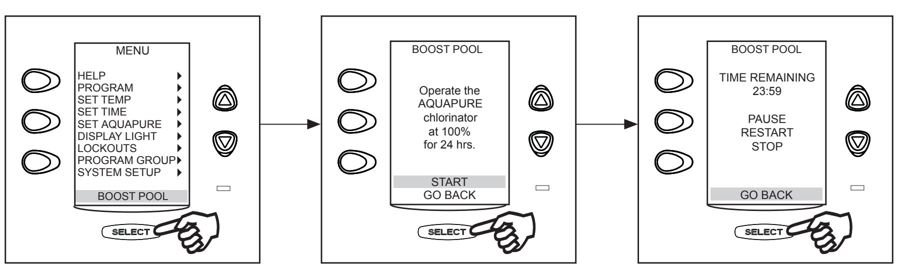
6.15.1 To use the Boost Pool menu

Highlight MENU/HELP and press SELECT, highlight BOOST POOL and press SELECT. Highlight START and press SELECT to begin the chlorination cycle.

Use SET AQUAPURE in MENU/HELP to set the percentage and the AQUAPURE HOURS in SYSTEM SETUP to set the hours of operation.

6.15.2 To pause or stop Boost Pool menu

To pause or stop BOOST POOL mode, highlight MENU/HELP and press SELECT. Highlight BOOST and press SELECT. Then highlight PAUSE or STOP and press SELECT.



Section 7. Using the System Setup Menu

7.1 OneTouch™ Menu

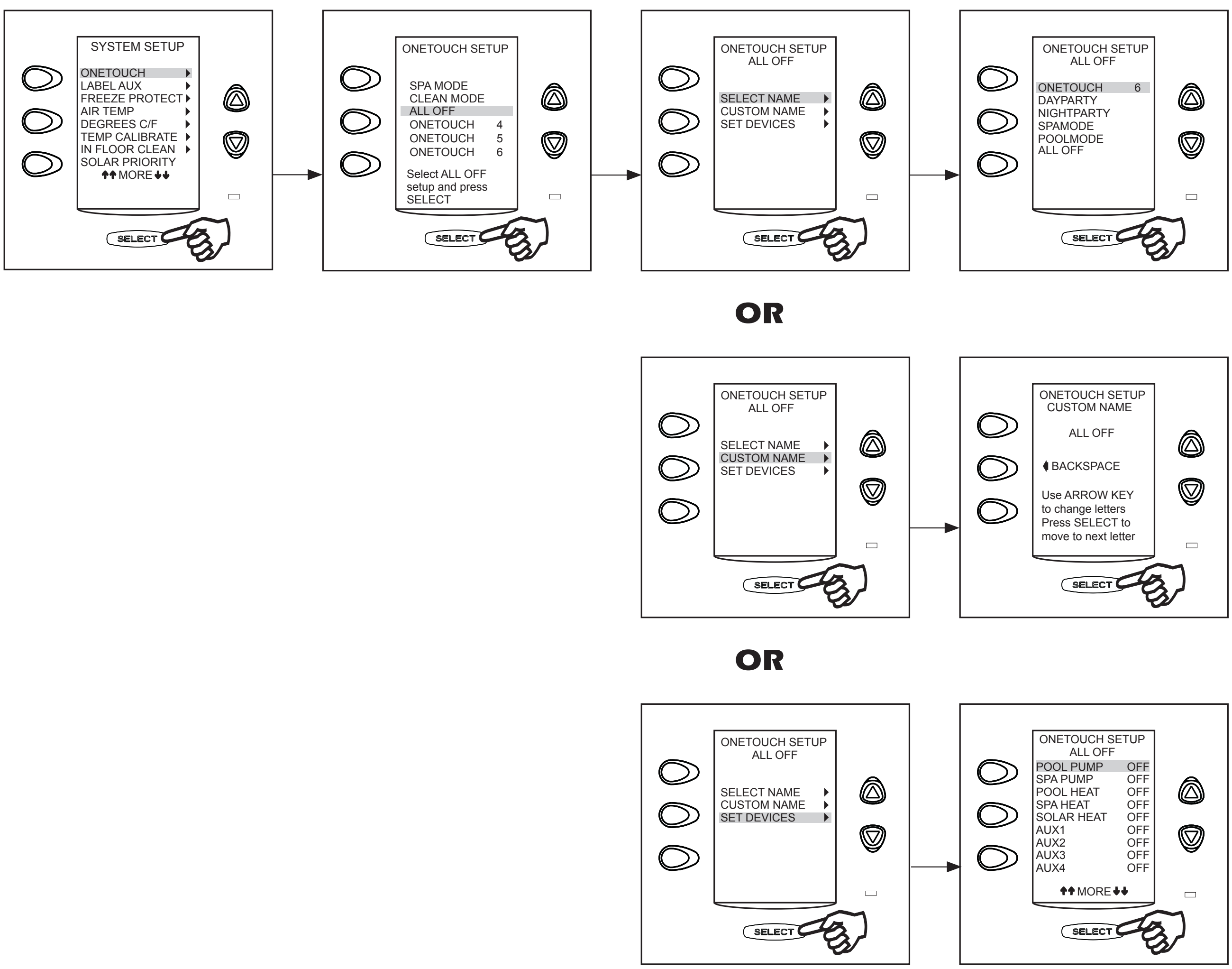
This menu allows custom configuration of the six OneTouch mood/scene buttons. You can choose a predetermined name from the SELECT NAME menu or enter a CUSTOM NAME. You can also select specific devices for each mood/scene button. Each mood setting allows for an independent thermostat setting. OneTouch setting can also be assigned to any SpaLink® button.

7.1.1 To set up the OneTouch™ Buttons menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT. Highlight ONETOUCH and press SELECT. Use the UP/DOWN arrow keys to select a ONETOUCH button to setup and press SELECT. Use the UP/DOWN arrow keys to choose between SELECT NAME, CUSTOM NAME, or SET DEVICES. (For Custom Name use the UP/DOWN arrow keys to change a letter and press SELECT to move to the next letter.)

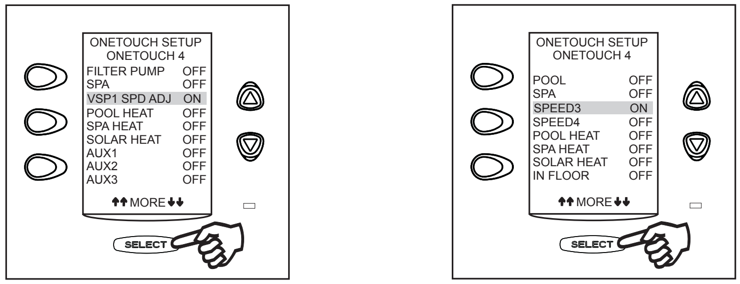
NOTE The blank space, as used between words, is located between the "Z" and "0" characters.

SET DEVICES: Use the SELECT button to choose devices to be controlled mood/scene settings. When an item is selected, the ON will be displayed on the right side of the screen. Select all pieces of equipment for that ONETOUCH button, then press the BACK button to set up next ONETOUCH setting.



If a variable speed pump is part of the system it is possible to assign a speed of that pump to a ONETOUCH button. In the example below SPEED3 has been assigned to the ONETOUCH 4 button.

NOTE In this example the only device controlled by ONETOUCH 4 is SPEED3 of the variable speed pump. Other devices can be assigned to the ONETOUCH button. The SPA mode on combo systems is a special case. If you assign the speed preset of a variable speed pump to a ONETOUCH button, and if you want to use that button when in the SPA mode; The system must already be in the spa mode (flow valves not rotating) when the ONETOUCH button is pressed, otherwise the default pump speed will take precedence.



7.2 Label Auxiliary Menu

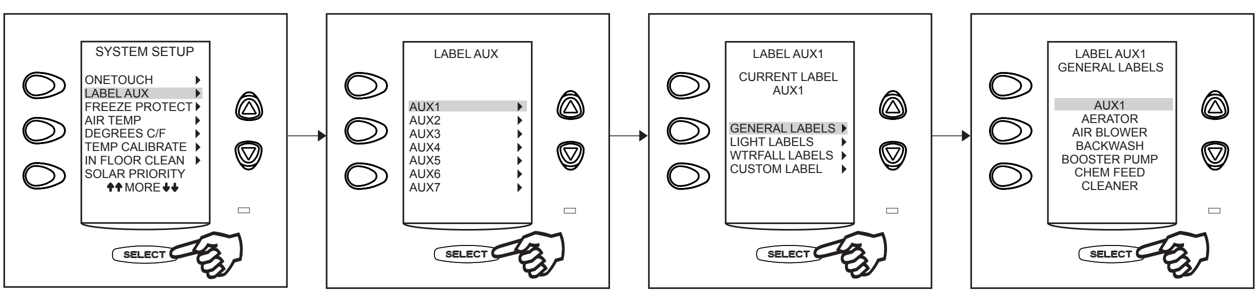
The LABEL AUX menu allows custom naming of auxiliary equipment. For example, you can set the display to read YARD LIGHT instead of AUX 4 .

7.2.1 To use the Label Auxiliary menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight LABEL AUX, press SELECT. Highlight auxiliary to be labeled and press SELECT. Highlight either GENERAL LABELS, LIGHT LABELS, WTRFALL LABELS, or CUSTOM LABEL and press SELECT. Use the UP/DOWN arrow keys to highlight a name and press SELECT.

Under CUSTOM LABEL you may type in any name. Use the UP/DOWN arrow keys to change letters and use SELECT to move to the next letter.

NOTE Please be aware that if the label NOT USED from the GENERAL LABEL menu is used on an AUX relay, the relay will not engage.



7.3 Boost Setup Menu

Use this menu to adjust the number of hours or mode of Boost Pool.

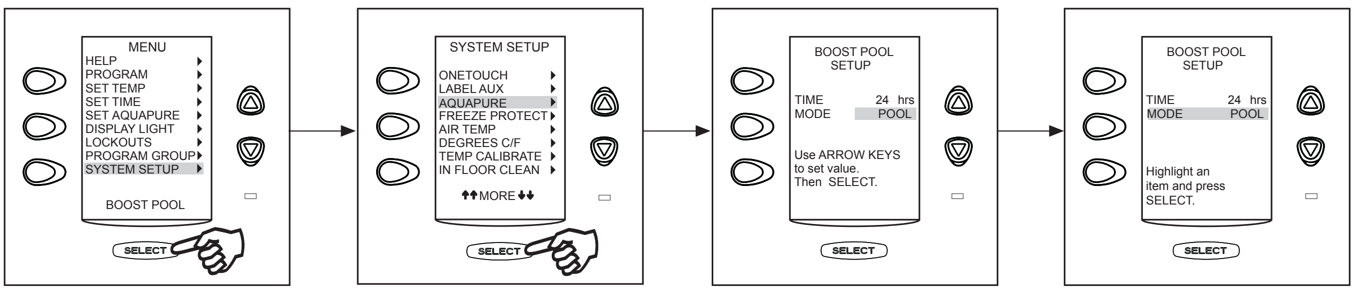
NOTE The MODE selection is only available if the Power Center Bezel dip switch 3 is turned on (Spillover mode). If it is off, then only TIME is displayed.

The system will auto-detect the AquaPure® chlorine generator.

7.3.1 To set Boost Pool menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight AquaPure® and press SELECT. Use the UP/DOWN arrow keys to select TIME or MODE. If selecting MODE, use the UP/DOWN arrow keys to select either SPILLOVER or POOL. If POOL is selected, the return path for the water is to the pool not the spa.

NOTE To operate the AquaPure® in BOOST mode when SPILLOVER mode is active, highlight MENU/HELP and press SELECT. Then highlight SYSTEM SETUP and press SELECT. Highlight AquaPure® and press SELECT. Highlight MODE and press SELECT. Highlight SPILLOVER and press SELECT.



7.4 Freeze Protection Menu

Use Freeze Protection menu to assign freeze protection to your pool and spa equipment. When a piece of equipment is assigned to freeze protection, it will turn on when the AquaLink® RS detects freezing conditions. The main filter pump is freeze-protected as a default.

Activation temperature can be adjusted between 34°F and 42°F. Default freeze protection activation temperature is 38º F and will deactivate within 2°F.

Important Information on Freeze Protection

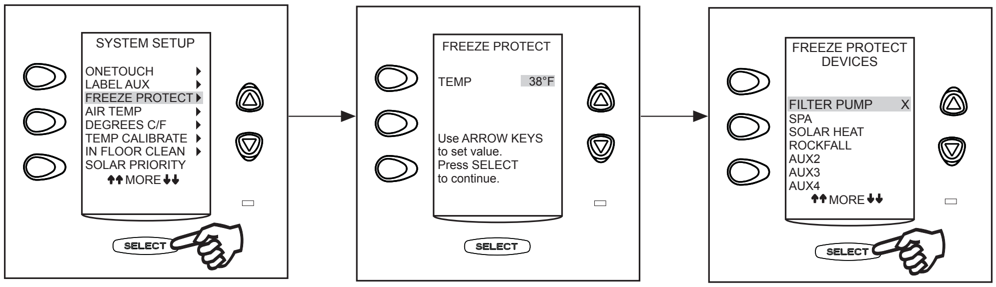
Freeze protection is intended to protect equipment and plumbing for short periods of freezing only. It does this by activating the filtration pump and circulating the water to prevent freeze inside equipment or plumbing. Freeze protection does **not** guarantee that equipment will not be damaged by extended periods of freezing temperatures or power outages. In these conditions, the pool and spa should be shut down completely (e.g. drained of water and closed for the winter) until warmer weather exists.

⚠ CAUTION

Activating the spa during freezing conditions will override freeze protection. This means that if you are using your spa when freezing conditions exist, freeze protection will **not** circulate water to non-spa related equipment that you may have freeze protected (e.g. pool cleaner, booster pump.) Under these circumstances, the potential for equipment damage may exist.

7.4.1 To use the Freeze Protection menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight FREEZE PROTECT and press SELECT. Use the UP/DOWN arrows keys to change the activation temperature. Once the temperature is set, use the SELECT button to move to the next screen to assign freeze protection to a selected piece of equipment.

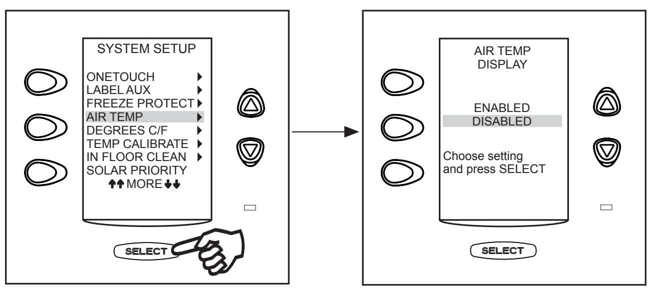


7.5 Air Temperature Menu

Use the Air Temperature menu to turn the air temperature display on or off.

7.5.1 To disable Air Temperature display menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight AIR TEMP and press SELECT. Use the UP/DOWN arrow keys to highlight desired setting and press SELECT.

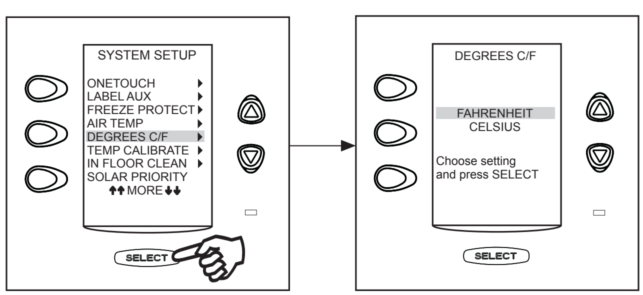


7.6 Degrees C/F Menu

The Degrees C/F menu allows you to change the AquaLink® RS temperature display from Fahrenheit to Celsius or vice versa. When changing from Fahrenheit to Celsius you will have to re-enter the temperature settings.

7.6.1 To change the Temp readout menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight DEGREES C/F and press SELECT. Use the UP/DOWN arrow keys to highlight desired setting and press SELECT.

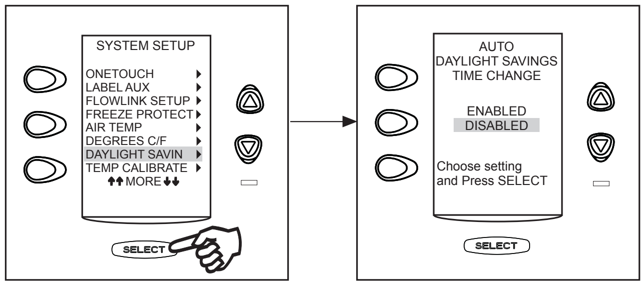


7.7 Daylight Savings Menu

The DAYLIGHT SAVINGS menu enables the automatic adjustment for Daylight Savings Time.

7.7.1 To set up Daylight Savings menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight DAYLIGHT SAVINGS and press SELECT. Use the UP/DOWN arrow keys to highlight ENABLED or DISABLED and press SELECT. Default setting is ENABLED.



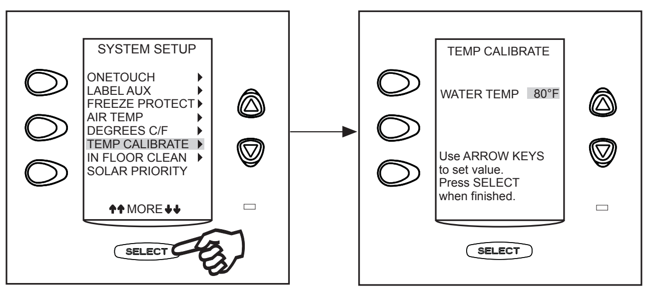
7.8 Temp Calibration Menu

This menu allows adjustment of the temperature that is displayed on the AquaLink® RS. The temperature can only be adjusted up 4 degrees Fahrenheit or down 4 degrees Fahrenheit, see note below.

7.8.1 To adjust Temperature display

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight TEMP CALIBRATE and press SELECT. Use the UP/DOWN arrow keys to set values and press SELECT when finished.

NOTE If the temperature is off by more than four (4) degrees, contact your local service representative.

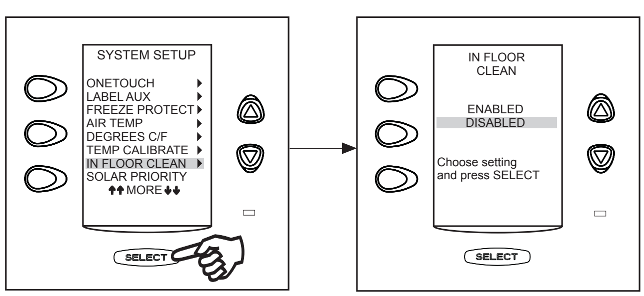


7.9 In Floor Cleaning Menu

This menu is used to ENABLE or DISABLE the automatic in floor cleaning feature. When enabled the AquaLink® RS rotates the in-floor Jandy Valve Actuators (JVAs) every 20 minutes.

7.9.1 To use In Floor Cleaning menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight IN FLOOR CLEANING and press SELECT. This menu is used to ENABLE or DISABLE the in floor cleaning (rotates the JVAs every 20 minutes). In floor cleaning only works when the filter pump is on. Use the UP/DOWN arrow keys to highlight the desired setting and press SELECT.



7.10 Solar Priority/Heat Pump Priority Menu

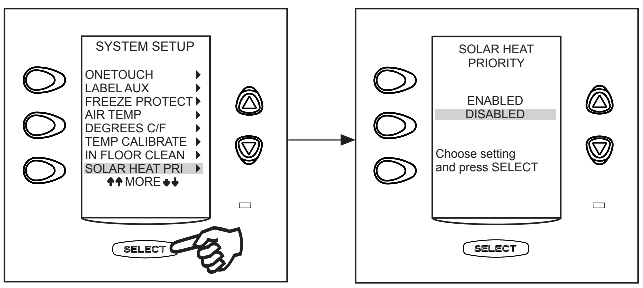
The Solar Priority/Heat Pump menu allows the system to use Solar Heat/Heat Pump primarily. If Solar Heat is no longer available, the system will automatically switch to the alternate heat source.

7.10.1 To use the Solar Priority/Heat Pump menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight SOLAR PRIORITY and press SELECT. Use the UP/DOWN arrow keys to highlight desired setting and press SELECT.

When solar and heater are enabled the solar will heat the water until either the thermostat setting has been reached or solar heat is no longer available. If the solar panel is not hot enough, solar heat will shut off and the other heat source (usually gas heater) will take over to bring the water up to the thermostat setting. This menu is used to ENABLE or DISABLE the solar priority.

NOTE Depending on the position of DIP switch S2-1 and the presence of a solar or heat pump sensor, SOLAR PRIORITY or HEAT PUMP PRIORITY may be displayed on the SYSTEM SETUP menu. It is not possible to have both SOLAR PRIORITY and HEAT PUMP PRIORITY displayed on SYSTEM SETUP MENU at the same time, its one or the other.

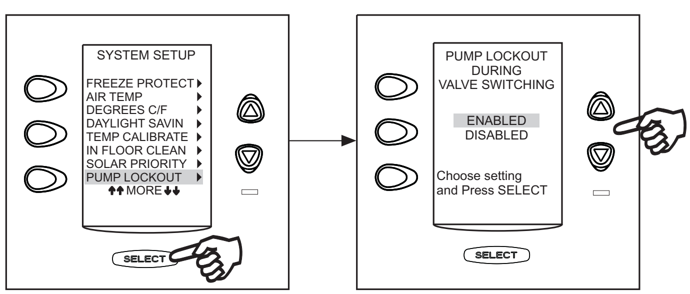


7.11 Pump Lockout Menu

The PUMP LOCKOUT menu allows you to enable (pump off) or disable (pump stays on) when valves are rotating from pool to spa.

7.11.1 To set Pump lockout menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight PUMP LOCKOUT and press SELECT. Use the UP/DOWN arrow keys to highlight ENABLED or DISABLED and press SELECT.

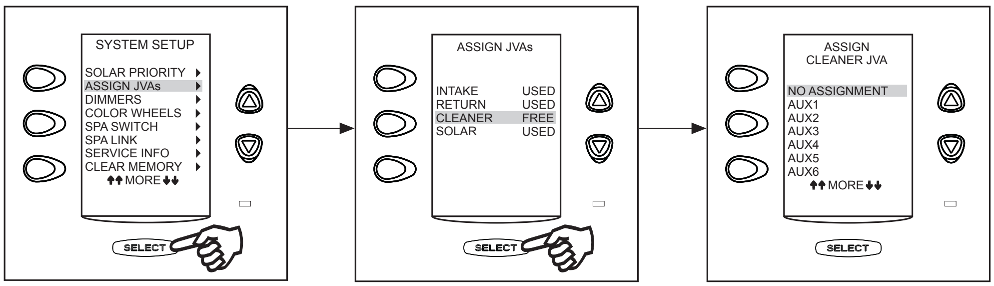


7.12 Assign JVA Menu

The ASSIGN JVAs menu allows Jandy Valve Actuators (JVAs) to be assigned to any auxiliary button. This means that whenever you press that auxiliary button, a valve turns. On pool/spa combination models, there are two extra JVAs that can be assigned to auxiliary buttons: the Cleaner JVA and the Solar JVA. On pool/spa only models, there are four JVAs that can be assigned to auxiliary buttons. The installer must set these JVAs for this feature to operate correctly. Assigning JVAs lets the owner control certain features like diverting water to a waterfall or bank of spa jets. Multiple JVAs can be assigned to one auxiliary button without extra hardware.

7.12.1 To set Assign JVAs menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight ASSIGN JVAs and press SELECT. Highlight the JVA you wish to use and press SELECT. Use the UP/DOWN arrow keys to move the highlight bar to the auxiliary button you want to assign, press SELECT to assign the JVA.



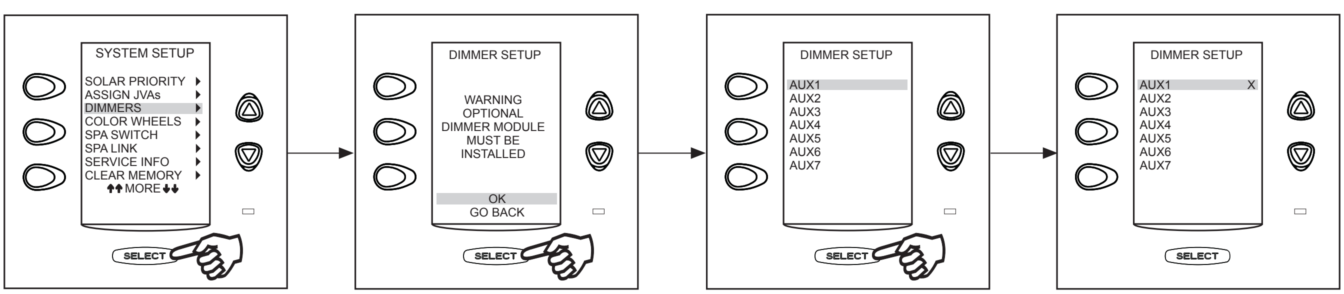
7.13 Set Dimmers Menu

The Set Dimmer menu is used to assign auxiliary buttons to control a dimmable light.

NOTE An optional Light Dimming Relay must be installed and only 120 VAC lighting (or suitable transformer-driven lights) can be dimmed.

7.13.1 To set Light Dimmers menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight DIMMERS and press SELECT. This menu is used to assign an auxiliary to control a dimmable light. You must install a light dimming relay in order for your light(s) to be dimmable. Highlight OK, then press SELECT. Use UP/DOWN arrow keys to highlight auxiliary to be dimmed, then press SELECT. An "X" will appear next to the selected item. Select all items connected to light dimming modules. Use the BACK button when finished.



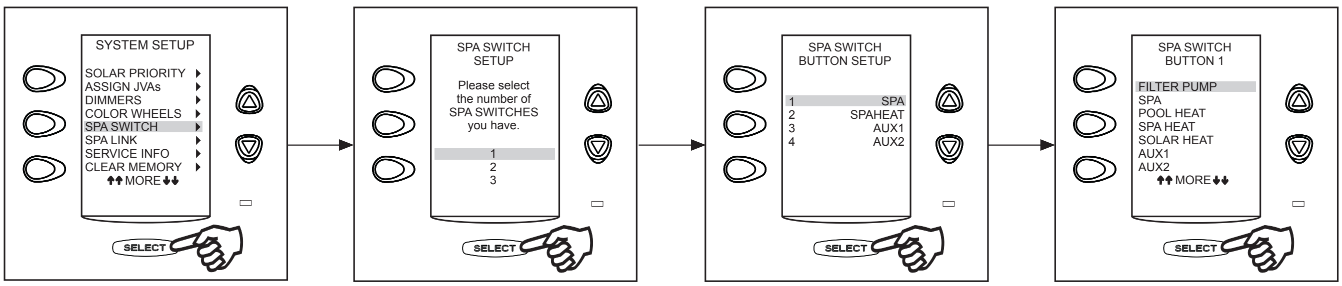
7.14 Spa Side Switch Menu

The Spa Side Switch menu allows you to define which equipment is controlled by the buttons on the optional Spa Side Switch(es). Default settings are spa, spa heat, Aux1 and Aux2.

You may want to write down your spa side switch button assignments so that you can label the buttons on the switch with the label pack provided.

7.14.1 To set the Spa Side Switch menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight SPA SWITCH and press SELECT. Inside the SPA SWITCH menu, highlight the number of Spa Side Switches you have and press SELECT. Use the UP/DOWN arrow keys to move the highlight bar to choose which button you are assigning, press SELECT. Use the UP/DOWN arrow keys to move the highlight bar to choose which piece of equipment will be associated with the button, press SELECT. After pressing SELECT on the piece of equipment, you will be returned one screen to continue assigning Spa Side Switch buttons.



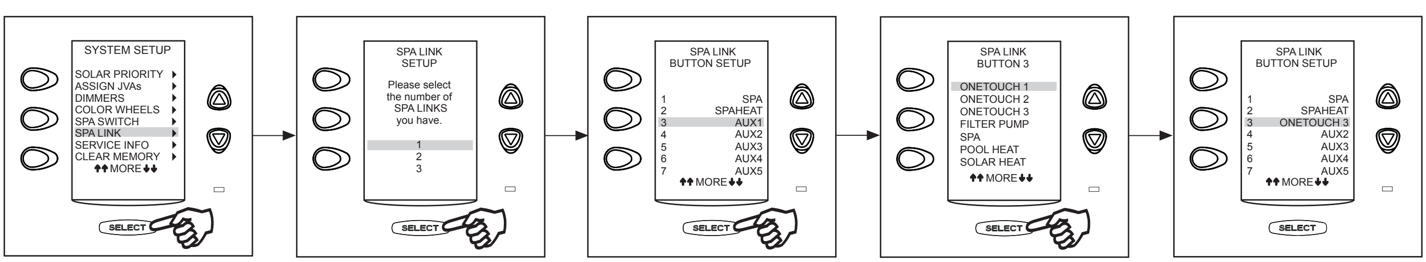
7.15 SpaLink® Menu

The SPALINK menu allows you to define which equipment is controlled by the buttons on the optional SpaLink®(s). Default settings are spa, spa heat, Aux1, Aux2, Aux3, Aux4, and Aux5. You can now assign a OneTouch™ macro setting to any button on the SpaLink® remote.

You may want to write down your SpaLink® button assignments so that you can label the buttons on the switch with the label pack provided.

7.15.1 To set the SpaLink® menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight SPALINK and press SELECT. Inside the SPALINK menu, highlight the number of SpaLink®(s) you have and press SELECT. Use the UP/DOWN arrow keys to move the highlight bar to choose what button number goes with what equipment, press SELECT. Use the UP/DOWN arrow keys to move the highlight bar to choose which piece of equipment will be associated with the button, press SELECT. After pressing SELECT on the piece of equipment, you will be returned one screen to continue assigning SpaLink® buttons.



7.16 Dusk Setup Menu

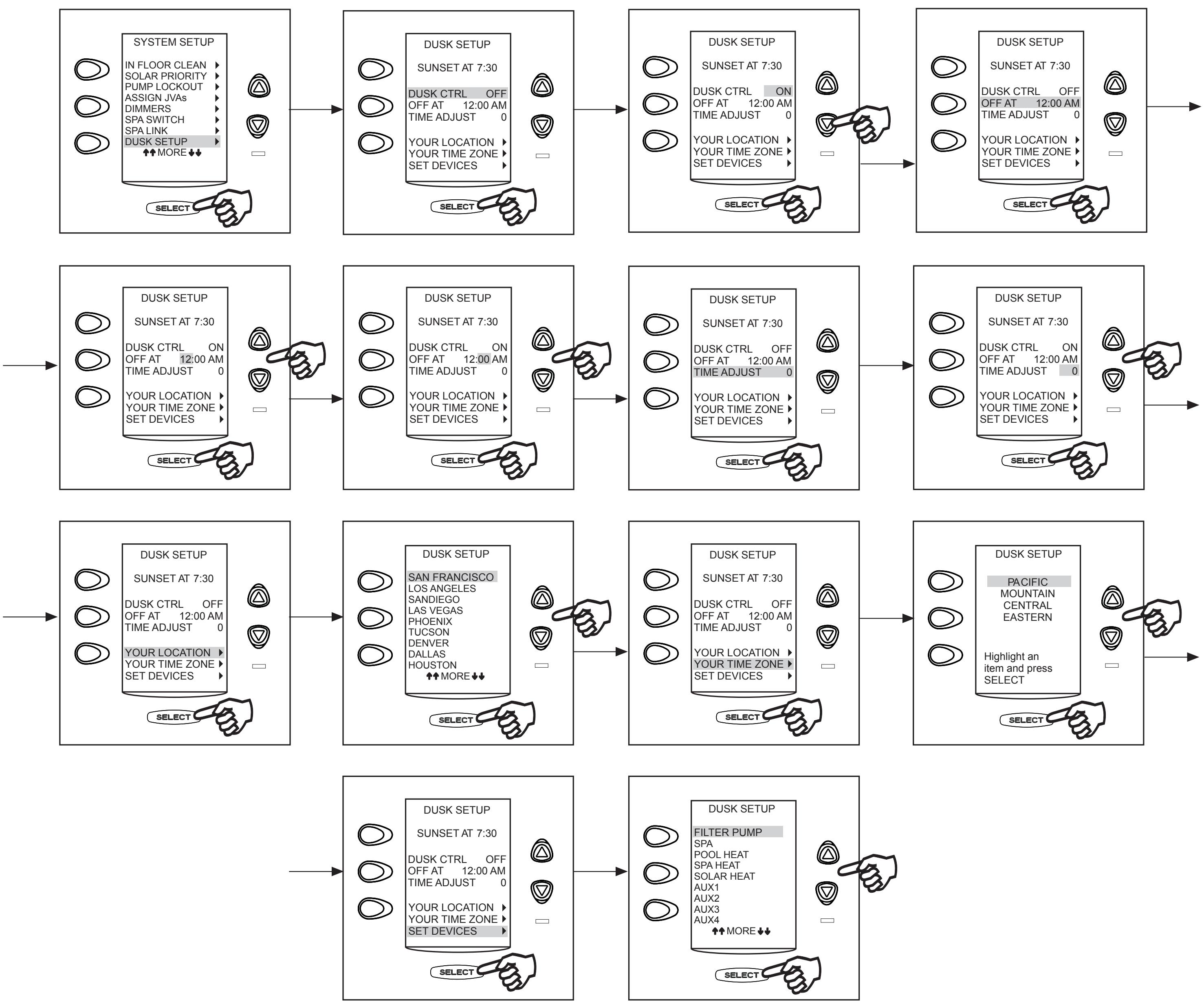
The Dusk Setup menu is used to set a device to automatically turn on at sunset.

You can set the duration, a time adjust value if you live between major city selections or in a heavily shaded area, and set specific devices.

NOTE Time and Date must be correct (see Section 6.6, Set Time Menu).

7.16.1 To use the Dusk Setup menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight DUSK SETUP and press SELECT. Highlight DUSK CTRL, press SELECT. Use an UP/DOWN arrow button to turn the function on, press SELECT. Highlight OFF AT, press SELECT. Use the UP/DOWN arrow keys to select when the device is to turn off. Highlight TIME ADJUST, press SELECT. Use the UP/DOWN arrow keys to choose the time the device turns on before (negative number) or after (positive number) dusk. Highlight YOUR LOCATION, press SELECT. Use the UP/DOWN arrow keys to choose the location closest to you. Highlight YOUR TIME ZONE, press SELECT. Use the UP/DOWN arrow keys to choose the time zone you are located in. Highlight SET DEVICES, press SELECT. Use the UP/DOWN arrow keys to choose the device and press SELECT.



7.17 Sprinkler Setup Menu

NOTE This equipment may not be part of your system. Please check with your installer.

This feature allows the operation of a sprinkler system from the OneTouch™. The Sprinkler Module is controlled from two areas of the OneTouch™:

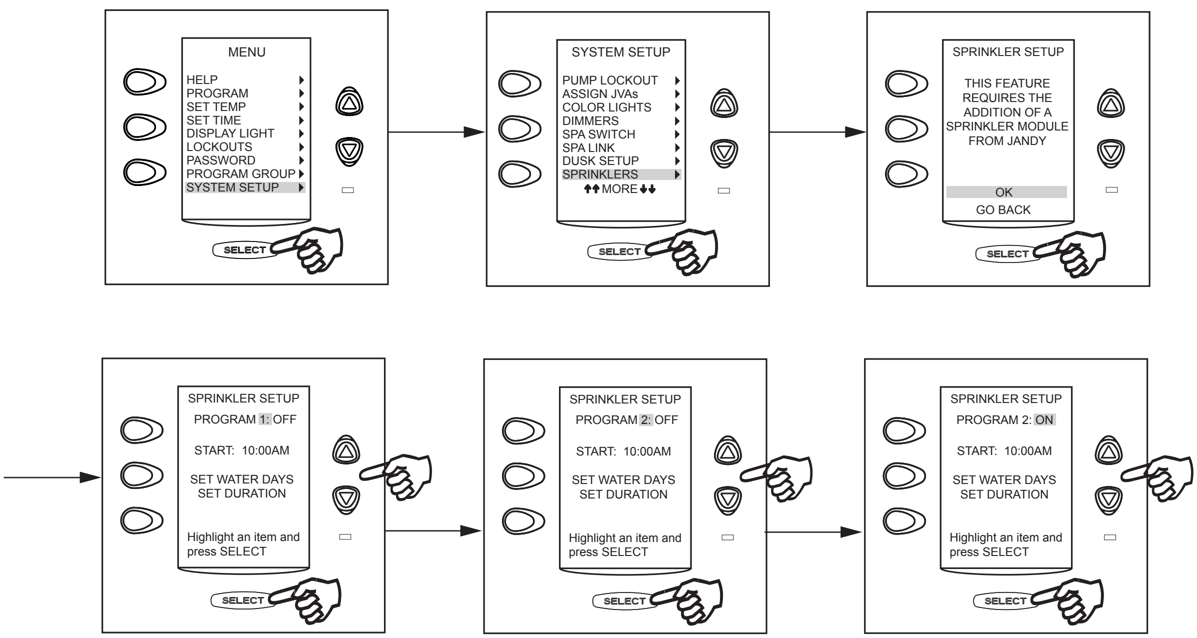
1. Sprinkler start and run time programming are accessed via the System Setup Menu.
2. Other sprinkler system features are accessed via the Equipment ON/OFF Menu.

7.17.1 Programming Individual Sprinklers Programs

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight SPRINKLERS and press SELECT. A warning message will appear, this message reads "THIS FEATURE REQUIRES THE ADDITION OF A SPRINKLER MODULE FROM JANDY", select OK to continue.

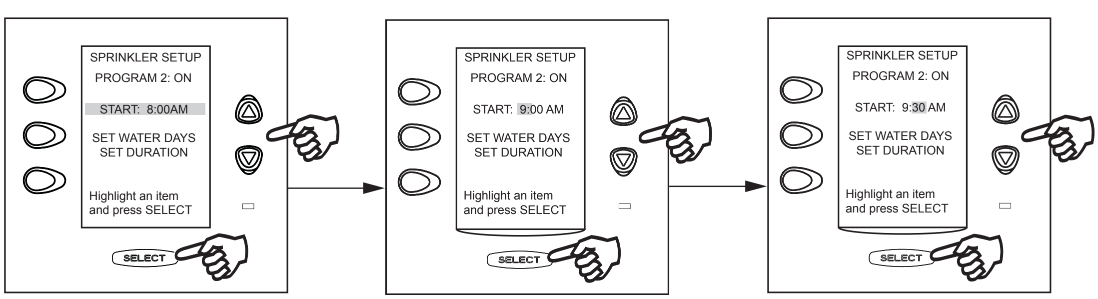
Press SELECT to highlight the program number. Use an UP/DOWN arrow key to choose a program number. Press SELECT to accept the program number, and advance to the program ON/OFF field. Use an UP/DOWN arrow key to turn the program ON and press SELECT.

NOTE Up to three programs can be scheduled with different Run Days, Start Times and Durations.



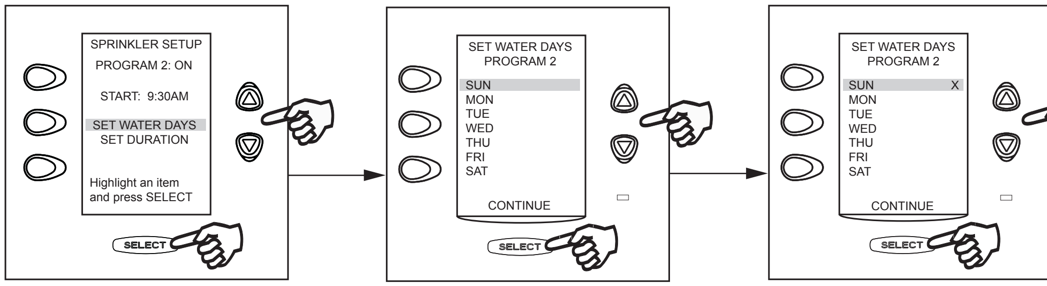
7.17.2 To Set the Sprinklers Program Start Time menu

Highlight the START field and press SELECT. Use an UP/DOWN arrow key to set the hour field and press SELECT. Use an UP/DOWN arrow key to set the minutes field and press SELECT.



7.17.3 To Set the Water Days menu

Highlight the SET WATER DAYS and press SELECT. Use an UP/DOWN arrow key to select the DAY to water and press SELECT. An "X" is displayed with each enabled water day.

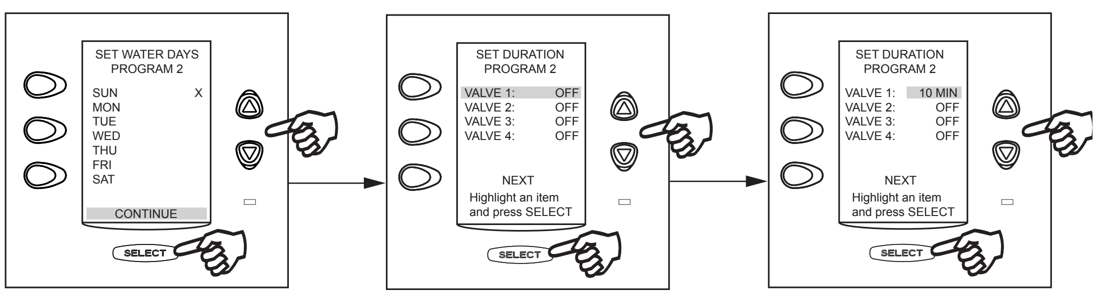


7.17.4 To Set the Sprinkler Valve Duration Time menu

The Sprinkler Control module will control up to eight valves, plus one master valve. When a program is run, the master valve always activates 1-2 seconds before the first programmed valve in the program. Valves are then activated in numerical order for a time equal to their duration setting. There is a 1-2 second delay between valve activations.

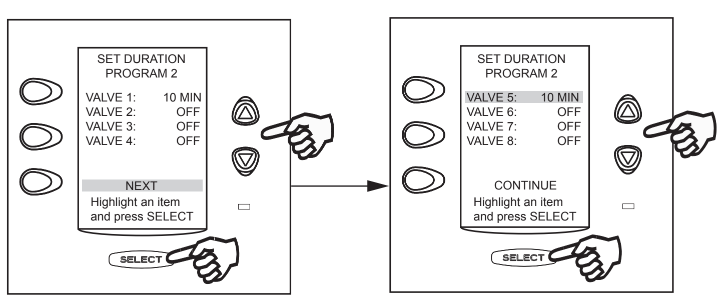
Valve durations are adjustable from OFF to 240 minutes, in increments of 1 minute from OFF to 10 minutes, increments of 10 minutes from 10 to 60 minutes, and increments of 30 minutes from 60 to 240 minutes (4 hours).

After setting the WATER DAYS, highlight CONTINUE and press SELECT. The first SET DURATION screen will appear, where valves 1-4 are set. Use an UP/DOWN arrow key to select the desired VALVE and press SELECT to highlight the DURATION field. Use an UP/DOWN arrow key to set the DURATION time and press SELECT.



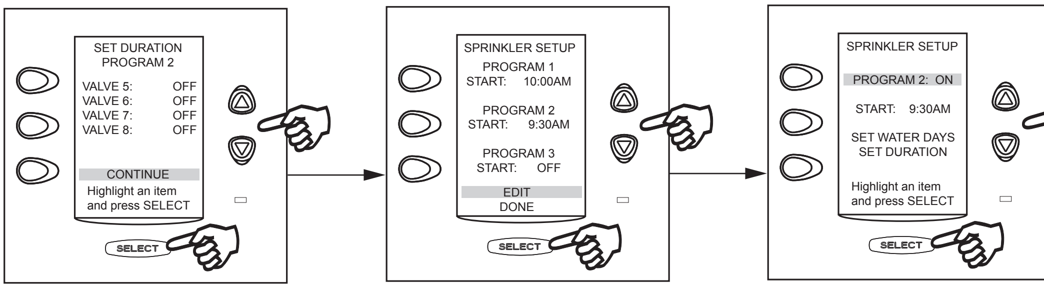
To continue onto Valves 5-8, highlight NEXT and press SELECT. In the second SET DURATION screen, set Valves 5-8 in the same manner as Valves 1-4.

NOTE If the end time of an enabled program overlaps the start time of a second enabled program, the second program will be delayed until the first program completes, and the master valve will remain activated between programs.



7.17.5 Completing/Continuing Sprinkler Programming

After the valve durations are set, select CONTINUE from the second SET DURATION screen. After selecting CONTINUE the Sprinkler Programming Summary screen will appear. This screen displays the start times of each sprinkler program for review. If you want to continue programming, selecting EDIT returns to the main sprinkler setup screen. Selecting DONE returns the user to the System Setup Screen.

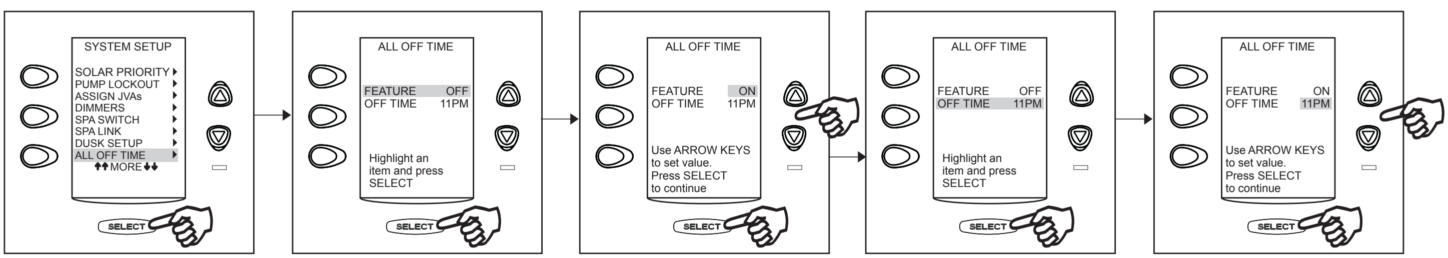


7.18 All Off Time Menu

This ALL OFF TIME menu is used to direct the system to turn everything off at a specific time everyday.

7.18.1 To use the All Off Time menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight ALL OFF TIME and press SELECT. Highlight FEATURE and press SELECT. Use an UP/DOWN arrow key to turn the feature on. Highlight OFF TIME and press SELECT. Use the UP/DOWN arrow keys to select a time all equipment will go off.

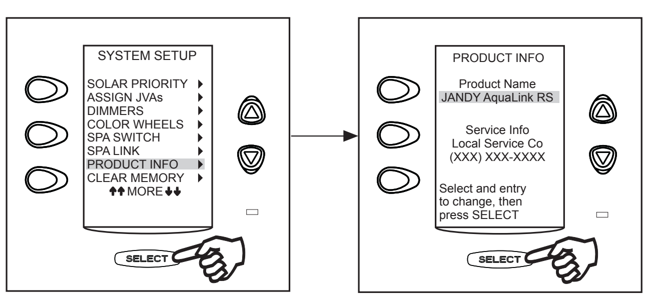


7.19 Product Info Menu

The PRODUCT INFO menu is used to enter a custom product name, local service company name and telephone number.

7.19.1 To use the Product Info menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight PRODUCT INFO and press SELECT. Select any entry to change and press SELECT.

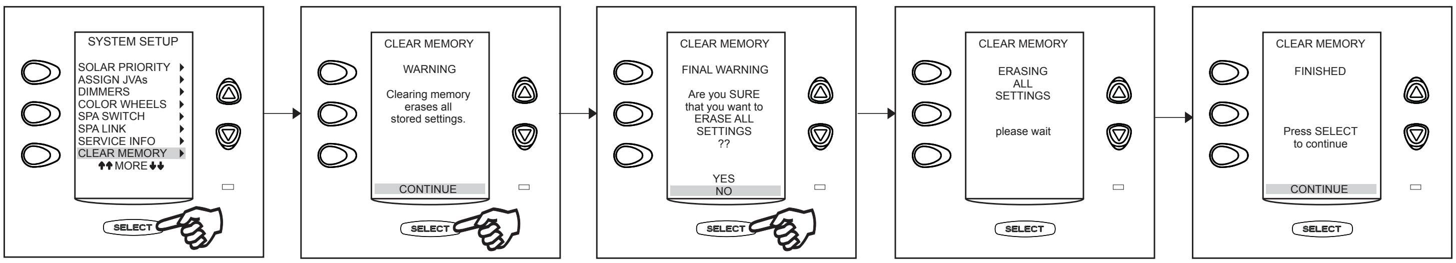


7.20 Clear Memory Menu

The CLEAR MEMORY menu will clear all stored values from the AquaLink® RS memory. All settings will be reset to their default settings. Stored values include auxiliary labels, all programs, freeze protection settings, remote settings, and thermostat settings. The time and date will not be cleared.

7.20.1 To use the Clear Memory menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight CLEAR MEMORY and press SELECT. Press SELECT. Use the UP/DOWN arrow keys to select either YES or NO. There will be a delay of 15 seconds before you see the FINISHED screen, select CONTINUE to return to SYSTEM SETUP.



7.21 Set Color Lights Menu

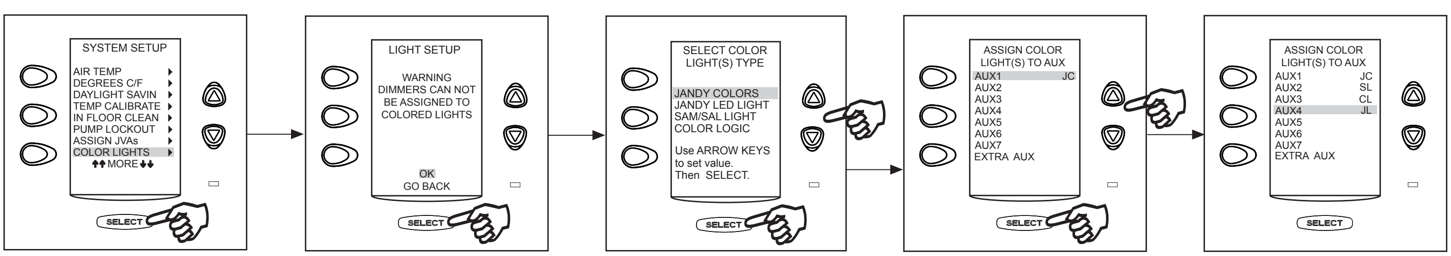
NOTE This equipment may not be part of your system. Please check with your installer.

The COLOR LIGHTS menu is used to select the color light type (Jandy Colors, Jandy LED Light, SAm™/SAL® [1], or Color Logic® [2]), and to assign the color light to an available auxiliary relay.

7.21.1 To set Color Lights menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight COLOR LIGHTS and press SELECT. A warning message will appear, this message reads: "WARNING: DIMMERS CAN NOT BE ASSIGNED TO COLORED LIGHTS" and press OK to continue. Use the UP/DOWN arrow keys to highlight the light type to be controlled either Jandy Colors, Jandy LED Light, SAm™/SAL® or Color Logic®, then press SELECT. A list of available auxiliaries will be displayed.

Use the UP/DOWN arrow keys to highlight an auxiliary to be assigned to a color light, then press SELECT. “JC” will appear next to the AUX if a Jandy Colors has been assigned. “JL” will appear next to the AUX if a Jandy LED Light has been assigned. "SL" will appear next to the AUX if a SAm/SAL Light has been assigned. "CL" will appear next to the AUX if a Color Logic Light has been assigned. If the SELECT button is pressed again, while on the same selected item, the “JC”, "JL", "SL", or "CL" will disappear meaning that a color light is no longer being controlled by the auxiliary. Use the BACK button when finished.



[1] SAM/SAL is a registered trademark of Pentair Pool Porducts, Inc.

[2] Color Logic is a registered trademark of Hayward Industries. Inc.

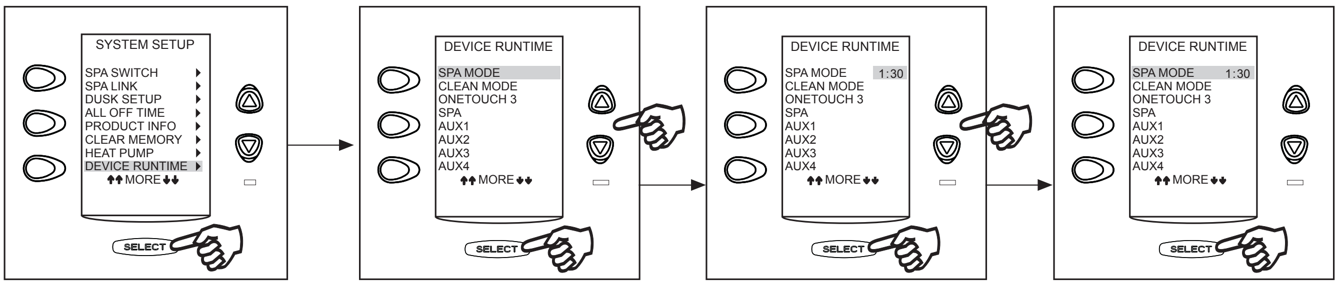
7.22 Device Runtime Menu

The DEVICE RUNTIME menu is used to assign a runtime for a device or auxiliary. When the device is turned on from the EQUIPMENT ON/OFF menu, it will run for the duration specified on the DEVICE RUNTIME menu.

NOTE A device runtime can be assigned to SPA, AUX1 - AUX31, EXTRA AUX, and macros ONETOUCH1 - ONETOUCH6 from a minimum of 1 minute to a maximum of 5 hours.

7.22.1 To set Device Runtime menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight DEVICE RUNTIME and press SELECT. Use the UP/DOWN arrow keys to highlight the desired item in the list, then press SELECT. The default runtime of 30 minutes will be displayed. Use the UP/DOWN arrow keys to select the desired runtime, then press SELECT.



7.23 Heat Pump Menu

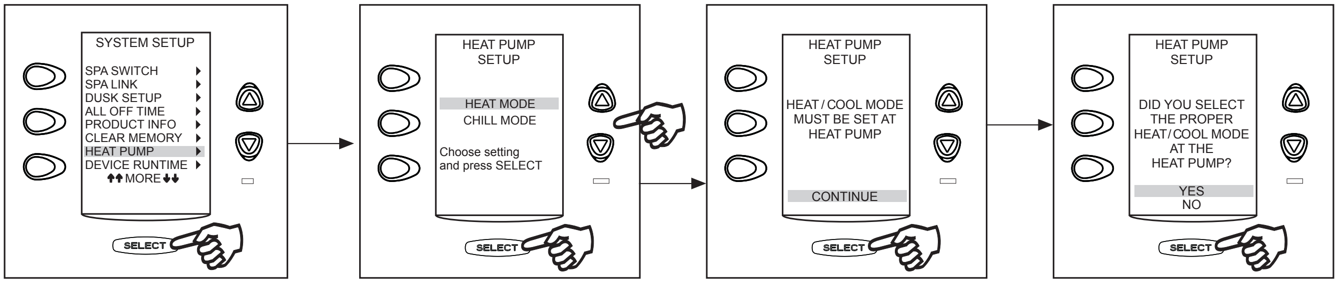
7.23.1 Heat Pump Setup Menu(When heat pump is controlled from the Solar Pump relay)

The HEAT PUMP SETUP menu is used to put the heat pump into the heat or chill mode. If the heat mode is selected, then HEAT PUMP will be displayed on the EQUIPMENT ON/OFF menu. If chill mode is selected then CHILLER will be displayed on the EQUIPMENT ON/OFF menu. If the chill mode is selected then CHILLER will be displayed on the EQUIPMENT ON/OFF menu. Using this menu the user can also set the low temperature threshold for the heat pump priority option.

NOTE In addition to setting heat or chill mode from the Heat Pump Setup menu, the switch on the heat pump must be manually set to heat or chill.

7.23.2 To set the Heat Pump Setup menu (When heat pump is controlled from the Solar Pump relay)

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight HEAT PUMP and press SELECT. Use the UP/DOWN arrow keys to highlight either HEAT or CHILL, then press SELECT. A message will be displayed informing the user that they must walk out to the heat pump and set it to heat or chill mode as well. If heat is selected a menu will appear to allow the user to adjust the low temperature threshold for the heat pump priority option.



7.23.3 Heat Pump (When heat pump is controlled via the RS485)

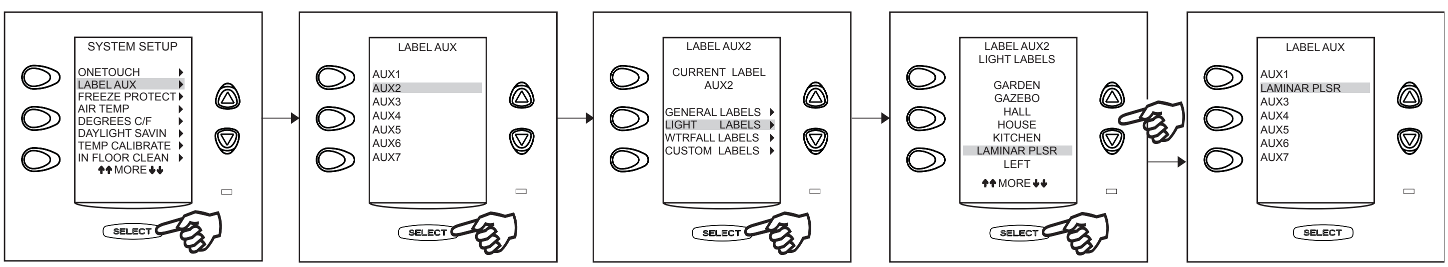
The HEAT PUMP menu is used for setting the low temperature threshold for the heat pump priority option.

7.24 Laminar Light Menu

The LAMINAR LIGHT menu is used to assign a Laminar Light to an auxiliary relay.

7.24.1 To assign a Laminar Light to an AUX menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT, highlight LABEL AUX and press SELECT. Use the UP/DOWN arrow keys to highlight the AUX that will be used to control the Laminar Light, then press SELECT. Highlight LIGHT LABELS and press SELECT. Use the UP/DOWN arrows and scroll down until LAMINAR PLSR is highlighted. Press SELECT.

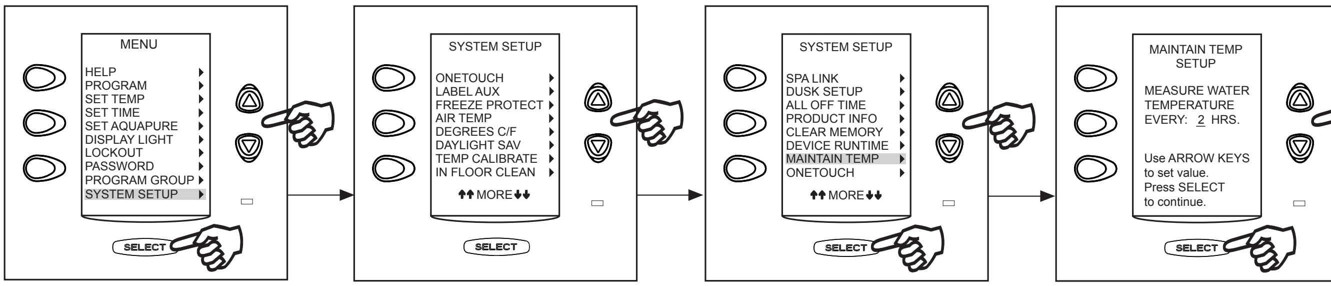


7.25 Maintain Temperature Setup Menu

The MAINTAIN TEMP menu provides the ability to specify how often the water temperature is sampled when MAINTAIN TEMP is active. Previously the sampling interval was fixed at 2 hours. This feature allows for the sampling intercal to be set to 1, 2, or 4 hours. The default value will be 2 hours.

7.25.1 To set the Maintain Temperature Setup menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT. Use the UP/DOWN arrow keys to highlight MAINTAIN TEMP and press SELECT. Use the UP/DOWN arrow keys to set value, then press SELECT.



7.26 Seasonal Adjust Menu

The SEASONAL ADJUST menu is a feature that will automatically adjust filtration cycles, chlorine levels, water leveling, and sprinkler times based on the seasons, when outdoor temperatures typically change.

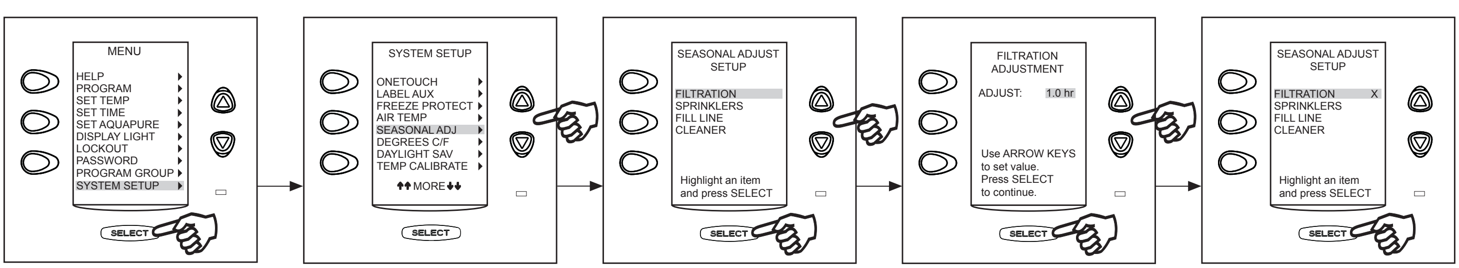
NOTE The table below shows the various default seasonal adjust values and their respective adjustable range.

	DEFAULT ADJUST VALUE	ADJUSTABLE RANGE
FILTRATION	1 hour	0.5 hr, 1.5 hrs, 2 hrs
CLEANER	1 hour	0.5 hr, 1.5 hrs, 2 hrs
AQUAPURE	15%	10%, 15%, 20%
SPRINKLERS	5 minutes	2 - 10 minutes
FILL LINE	5 minutes	not adjustable

7.26.1 To set the Seasonal Adjust menu

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT. Use the UP/DOWN arrow keys to highlight SEASONAL ADJ and press SELECT. Use the UP/DOWN arrow keys to choose filtration, sprinklers, fill line, or cleaner, then press SELECT.

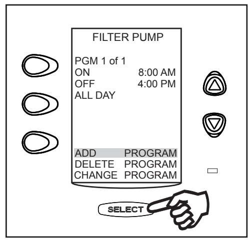
NOTE FILL LINE will be displayed on the screen only if an AUX has been assigned to fill line label.
CLEANER will be displayed on the screen only if DIP switch S1-1 is ON.
AQUAPURE will be displayed only if a chlorine generator is attached to the system.



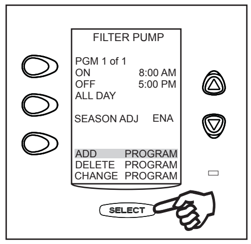
7.26.2 Seasonal Adjust Operation

The previous screens show the seasonal adjust feature being enabled for filtration. The FILTRATION adjustment value has been set to one (1) hour. The following example shows how the feature operates.

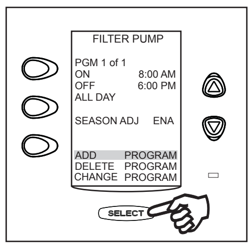
In our example we will assume that a program for the FILTER PUMP is entered in the month of March, with the program parameter shown.



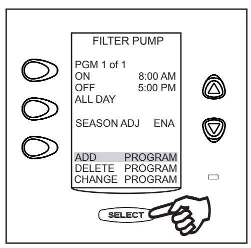
When the month changes from April to May, one (1) hour is added to the OFF time.



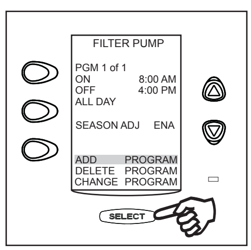
When the month changes from June to July, another one (1) hour is added to the OFF time.



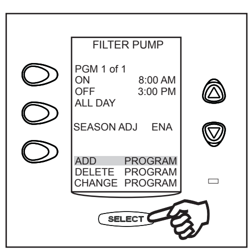
When the month changes from August to September, one (1) hour is subtracted from the OFF time.



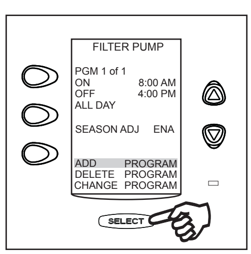
When the month changes from September to October, another one (1) hour is subtracted from the OFF time.

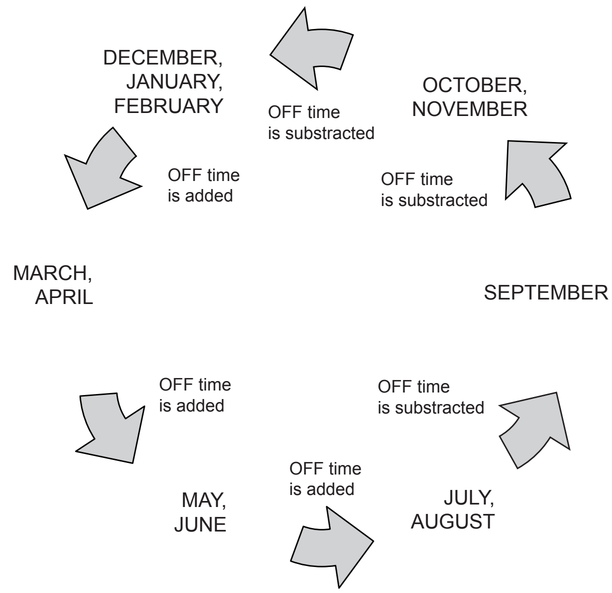


When the month changes from November to December, another one (1) hour is subtracted from the OFF time.



When the month changes from February to March, one (1) hour is added to the OFF time and we are back where we started.





This chart shows when the seasonal adjust offset is added or subtracted from the programmed OFF time.

7.27 RS InterLink

NOTE This equipment may not be part of your system. Please check with your installer.

The RS InterLink allows a single controller to access two power centers on the AquaLink® RS system.

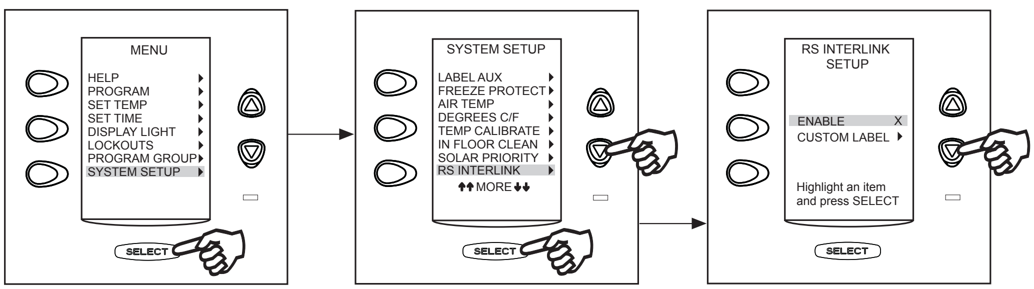
For ease of operation, it is suggested that each power center be given a custom product name that would allow a user to identify to which power center the controller is connected. During operation, this name will appear on the OneTouch™ Date/Time screen (see Section 7.19, Product Info Menu).

NOTE The RS InterLink feature must be enabled before it may be accessed from the Equipment ON/OFF List.

7.27.1 To enable the RS InterLink

NOTE Check with the installer before making changes to the SYSTEM SETUP.

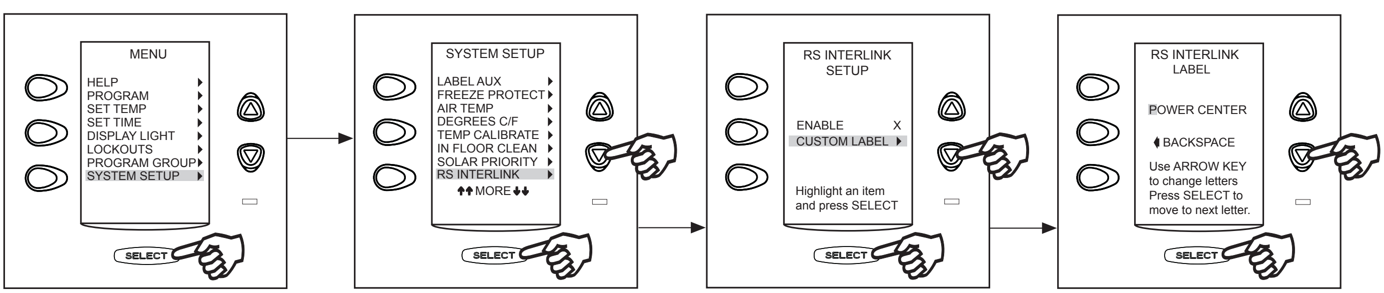
Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT. Use the UP/DOWN arrow keys to move the highlight bar up or down, **or** use PAGE UP or PAGE DOWN to move through the menus. Highlight the RS INTERLINK entry and press SELECT. Use the UP/DOWN arrow keys to select ENABLE and press SELECT.



7.27.2 To custom label the RS InterLink (Optional)

Highlight MENU/HELP and press SELECT, highlight SYSTEM SETUP and press SELECT. Use the UP/DOWN arrow keys to move the highlight bar up or down, or use PAGE UP or PAGE DOWN to move through the menus. Highlight the RS InterLink entry and press SELECT. Use the UP/DOWN arrow keys to select CUSTOM LABEL and press SELECT.

Under CUSTOM LABEL you may type in any name. Use the UP/DOWN arrow keys to change letters and press SELECT to move to the next letter. Use the UP/DOWN arrow keys to select BACKSPACE and press SELECT when required.



7.28 Variable Speed Pump Menu

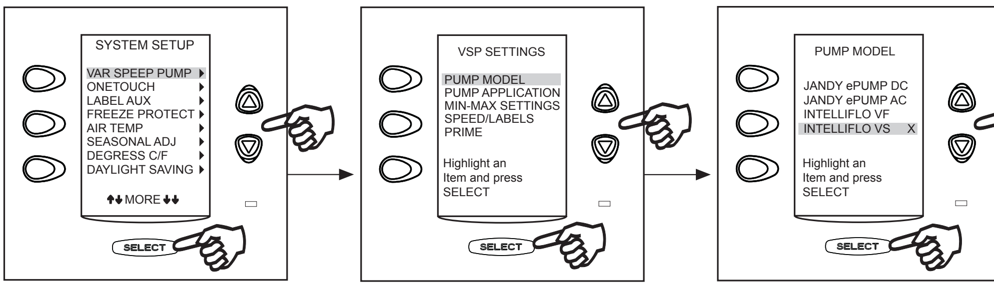
NOTE This equipment may not be part of your system. Please check with your installer.

The VAR SPEED PUMP menu is used to select the variable speed pump type (Jandy ePump™ DC, Jandy ePump™ AC, IntelliFlo® [1] VF, IntelliFlo® VS, or IntelliPro® [2] VS), and to select the various pump settings.

7.28.1 To select the Pump Type

The user has the option to control one of four types of variable speed pumps, the Jandy ePump™ DC, Jandy ePump™ AC, the IntelliFlo® VF, or IntelliFlo® VS. To select a pump, highlight the desired model and press SELECT. An X will appear next to the selection. To interface with the IntelliPro® VS 3050, select IntelliFlo® VS.

In SYSTEM SETUP menu, highlight VAR SPEED PUMP and press SELECT, highlight PUMP MODEL and press SELECT. Use the UP/DOWN arrow keys to highlight the desired pump, then press SELECT.



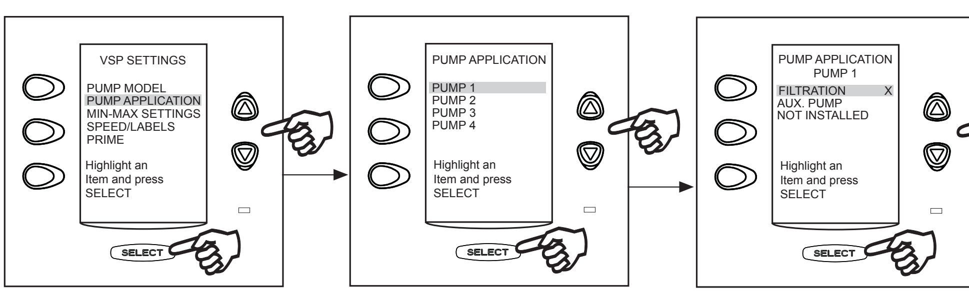
7.28.2 To set up the Pump Application

The AquaLink® can control up to four (4) variable speed pumps. In the PUMP SETUP menu the user can select each pump (1-4) and configure how the pump(s) are to be used. For example if the pump is to be used as a POOL PUMP, SPA PUMP (dual equipment systems) or a FILTRATION pump (combo systems and pool/spa only systems), the default setting is NOT INSTALLED. Or the pump can be configured as an aux pump, where it operates independently from water filtration mode.

COMBO	POOL SPA ONLY	DUAL EQUIPMENT
FILTRATION	FILTRATION	POOL PUMP
NOT INSTALLED	NOT INSTALLED	SPA PUMP
AUX. PUMP	AUX. PUMP	AUX. PUMP
		NOT INSTALLED

If the system is not going to control a variable speed pump then leave the application set to NOT INSTALLED. If the system is going to control a variable speed pump, then you would set the application accordingly. In the example below we are telling the system that it will be controlling one (1) variable speed pump.

In VSP SETTINGS menu, highlight PUMP APPLICATION and press SELECT, highlight PUMP1 and press SELECT. Use the UP/DOWN arrow keys to highlight the item, then press SELECT. An X will appear next to the selection.

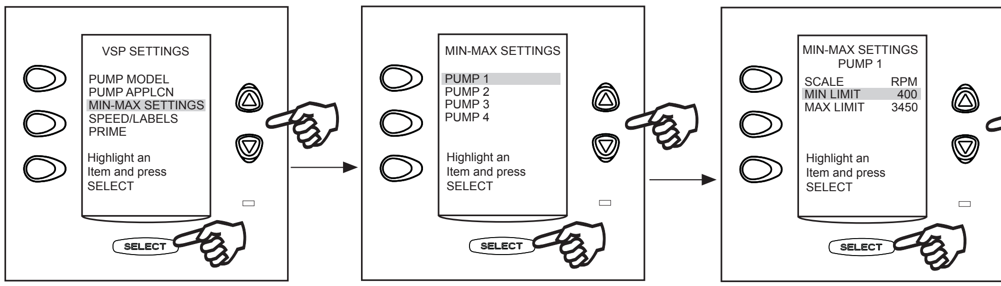


[1] IntelliFlo and IntelliPro are registered trademarks of Pentair Pool Products, Inc.

7.28.3 To set SCALE/MIN-MAX Parameters

This screen allows the user to set a minimum and maximum global speed or flow for the indicated pump. The SCALE setting is fixed to RPM for the Jandy ePump™ DC, Jandy ePump™ AC, and IntelliFlo® VF. The SCALE setting is fixed to GPM for the IntelliFlo® VF.

In VSP SETTINGS menu, highlight MIN-MAX SETTINGS and press SELECT, highlight PUMP1 and press SELECT. Use the UP/DOWN arrow keys to highlight the desired LIMIT, then press SELECT.

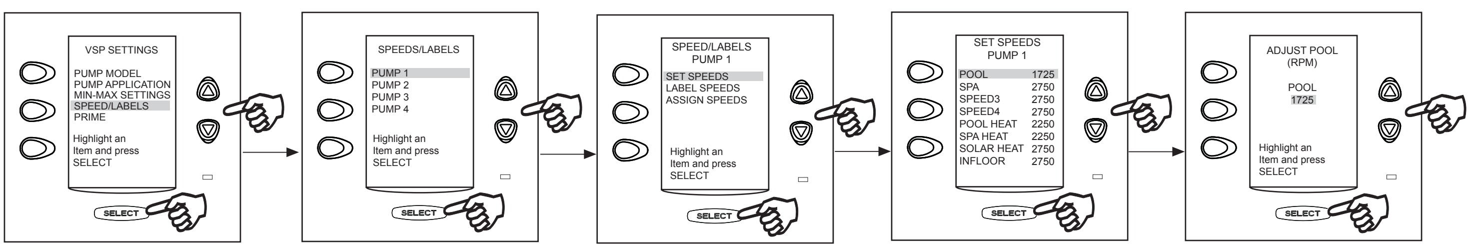


7.28.4 To set Pump Speed

There are eight (8) default speed presets for each variable speed pump.

In VSP SETTINGS menu, highlight SPEED/LABELS and press SELECT, highlight PUMP1 and press SELECT. Use the UP/DOWN arrow keys to highlight SET SPEED and press SELECT. Use the UP/DOWN arrow keys to highlight the desired item, then press SELECT. Use the UP/DOWN arrow keys to highlight the desired speed preset, then press SELECT. Use the UP/DOWN arrrow keys to adjust the speed value, then press SELECT.

NOTE: The FREEZE PROTECT is also set from this menu.



7.28.5 Default Preset Speed Labels (RS Combo and RS only)

When a pump is configured for FILTRATION, the speed presets will be labeled as shown in the table below.

Default Labels when Pump is configured for FILTRATION		
PRESET #	**POOL/SPA COMBO**	**POOL/SPA ONLY**
1	POOL	POOL
2	SPA	SPEED2
3	SPEED3 or CLEANER (if dip S1-1 is on)	SPEED3 or CLEANER (if dip S1-1 is on)
4	SPEED4 or SPILLOVER (if dip S1-3 is on)	SPEED4
5	POOL HEAT	TEMP1
6	SPA HEAT	TEMP2
7	SOLAR HEAT (if dip S1-7 is on) or HEATPUMP (if dip S1-7 is on) or SPEED7	SOLAR HEAT (if dip S1-7 is on) or HEATPUMP (if dip S1-7 is on) or SPEED7
8	INFLOOR	INFLOOR

Preset 1:

The default label for preset #1 is POOL. This label is tied to the pool filtration mode. Anytime the pool pump is supposed to turn on, this preset is selected.

Preset 2:

On combo systems the default label for preset #2 is SPA. This label is tied to the spa filtration mode, anytime the spa pump is supposed to turn on, this preset is selected.

Preset 3:

On combo systems, if dip switch S1-1 is ON, then the default label for this preset is CLEANER. Anytime the cleaner mode is turned on the pump will run at the speed setting of this preset.

On a combo system, if dip switch S1-1 is OFF, then the default label for this preset is SPEED3.

On a pool/spa only system the default label is SPEED3.

Preset 4:

If dip switch S1-3 is ON, then the default label for this preset is SPILLOVER. Anytime the spillover mode is turned on the pump will run at the speed setting of this preset.

If dip switch S1-3 is OFF, then the default label for this preset is SPEED4.

Preset 5:

On Pool/Spa Combo systems the default label is POOL HEAT. When the pool heater is enabled the pump will run at this speed.

On Pool/Spa Only systems the default label is TEMP1. When the pump is running and the heater set point TEMP1 is enabled, then the pump will run at this preset.

Preset 6:

On Pool/Spa Combo systems the default label is SPA HEAT. When the system is in the SPA mode and the SPA HEATER is enabled then the pump will run at this speed.

On Pool/Spa Only systems the default label is TEMP2. When the pump is running and the heater set point TEMP2 is enabled, then the pump will run at this preset.

Preset 7:

If the system is in the SOLAR HEAT mode or the HEAT PUMP mode then the pump will run at this preset speed. If the system is not configured for solar heat or a heat pump then the default label will be SPEED7.

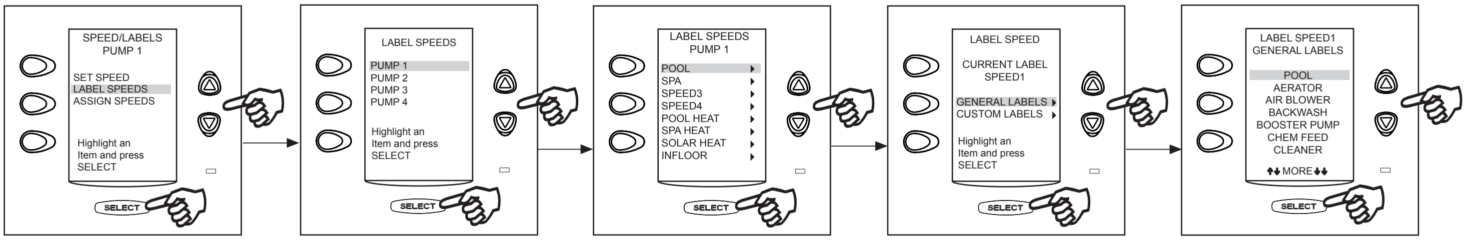
Preset 8:

When the IN-FLOOR clean mode is enabled and the pump is running, it will be running at this preset speed.

7.28.6 To re-label the Speed Preset

Each of the eight (8) speed presets has a label and each of those labels can be changed from the default value.

In the SPEED SETTINGS menu, highlight LABEL SPEEDS and press SELECT. Use the UP/DOWN arrow keys to highlight the desired PUMP, then press SELECT. Use the UP/DOWN arrow keys to highlight either GENERAL LABELS or CUSTOM LABELS and then press SELECT.



7.28.7 Default Preset Speed Labels (Dual Equipment)

When a pump is configured to be either a POOL PUMP or a SPA PUMP, the speed presets will be labeled as shown in the table below.

	POOL PUMP	SPA PUMP
PRESET #	**DUAL EQUIPMENT**	**DUAL EQUIPMENT**
1	POOL	SPEED1
2	SPEED2	SPA
3	SPEED3 or CLEANER (if dip S1-1 is on)	SPEED3
4	SPEED4	SPEED4
5	POOL HEAT	SPEED5
6	SPA HEAT	SPA HEAT
7	SOLAR HEAT (if dip S1-7 is on) or HEATPUMP (if dip S2-7 is on) or SPEED7	SPEED7
8	INFLOOR	SPEED8

Preset 1:

On a dual equipment system when a pump is configured as a POOL PUMP, the default label for preset #1 is POOL. This label is tied to the pool filtration mode. Anytime the pool pump is supposed to turn on, this preset is selected.

On a dual equipment system when a pump is configured as a SPA PUMP, the default label for preset #1 is SPEED1.

Preset 2:

On a dual equipment system when a pump is configured as a SPA PUMP, the default label for preset #2 is SPA. This label is tied to the spa filtration mode. Anytime the spa pump is supposed to turn on, this preset is selected.

On a dual equipment system when a pump is configured as a POOL PUMP, the default label for preset #2 is SPEED2.

Preset 3:

For the Pool Pump, if dip switch S1-1 is ON, then the default label for this preset is CLEANER. Anytime the cleaner mode is turned on the pump will run at the speed setting of this preset. If dip switch S1-1 is OFF, then the default label for this preset is SPEED3.

For the Spa Pump the default label is SPEED3.

Preset 4:

The default label is SPEED4.

Preset 5:

For the Pool Pump the default label is POOL HEAT. When the pool heater is enabled the pump will run at this speed.

For the Spa Pump the default label is SPEED5.

Preset 6:

For the Pool Pump the default label is SPEED6.

For the Spa Pump the default label is SPA HEAT. When the spa heater is enabled the pump will run at this speed.

Preset 7:

For the Pool Pump, if the system is in the SOLAR HEAT mode or the HEAT PUMP mode then the pump will run at this preset speed. If the system is not configured for solar heat or a heat pump then the default label will be SPEED7.

For the Spa Pump the default label is SPEED7.

Preset 8:

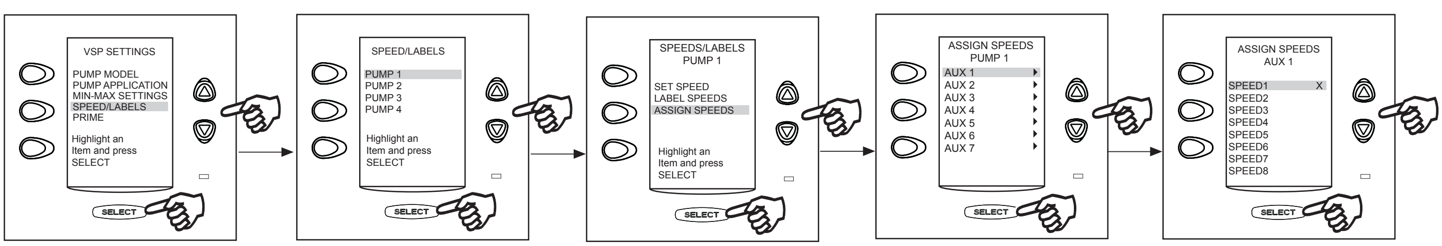
For the Pool Pump, when the In-Floor clean mode is enabled and the pump is running, it will be running at this preset speed.

For the Spa Pump the default label is SPEED8.

7.28.8 To Assign Speeds to Auxiliaries

This menu allows the user to assign a speed to an auxiliary. When the assigned auxiliary is turned on the pump will switch to the speed that was assigned to the aux. If more than one aux is on and if both of them have speeds assigned, the pump will operate at the higher of the two speeds.

In the VSP SETTINGS menu, highlight SPEED/LABELS and press SELECT. Use the UP/DOWN arrow keys to highlight the desired pump, then press SELECT. Use the UP/DOWN arrow keys to highlight ASSIGN SPEEDS, then press SELECT. Use the UP/DOWN arrow keys to highlight the desired auxiliary, then press SELECT. Use the UP/DOWN arrow keys to highlight the desired speeds, then press SELECT.

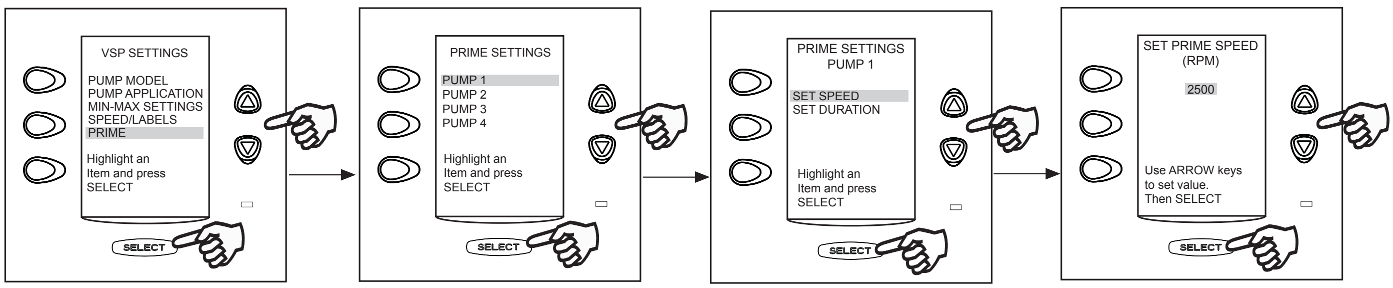


7.28.9 To Set the Priming Speed

Whenever the variable speed pump is turned on it will go into the priming mode for a predetermined amount of time (1-5 minutes). This menu allows for the priming speed to be adjusted.

NOTE The priming parameters for the IntelliFlo® VF are set at the pump.

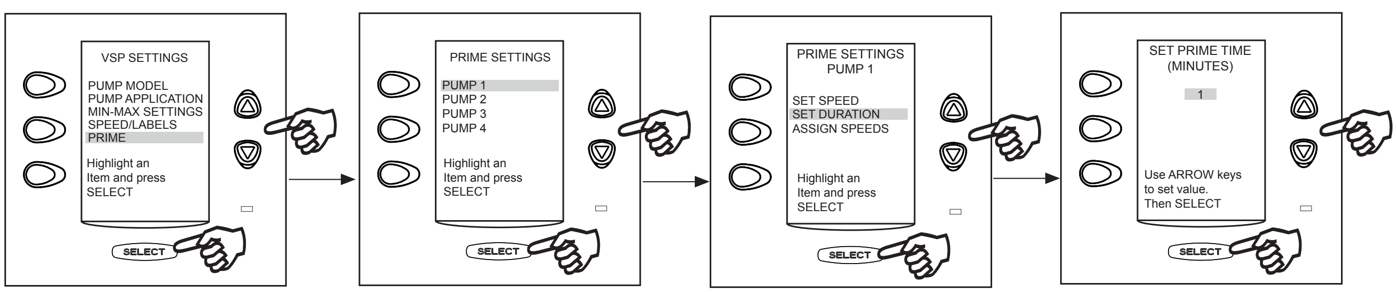
In the VSP SETTINGS menu, highlight PRIME and press SELECT. Use the UP/DOWN arrow keys to highlight the desired pump, then press SELECT. Use the UP/DOWN arrow keys to highlight SET SPEED, then press SELECT. Use the UP/DOWN arrow keys to set value, then press SELECT.



7.28.10 To Set the Priming Duration

This menu allows for the user to set the length of time the priming takes place (1-5 minutes).

In the VSP SETTINGS menu, highlight PRIME and press SELECT. Use the UP/DOWN arrow keys to highlight the desired pump, then press SELECT. Use the UP/DOWN arrow keys to highlight SET DURATION, then press SELECT. Use the UP/DOWN arrow keys to set value, then press SELECT.



Section 8. Glossaries

8.1 Glossary of Safety Delays and Lockouts

Lockouts - Any device can be locked out. This will prevent the locked out device from being turned on manually. However, the device will turn on/off when it is being controlled by a program.

Pool/Spa Switching Filter Pump Delay - The filter pump turns off while valves rotate between pool and spa to prevent damage to the pool equipment. The valves take 35 seconds to rotate between pool and spa; the filter pump will activate as soon as the valves have finished turning.

Heater Cool Down Delay - When the system is heating (water is circulating to the spa) and the Spa button is pressed, the system will remain in Spa Mode for five minutes, and will continue to circulate the water. This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

Heater Start-up - The heater will only come on if the water is circulating (e.g., filter pump is on and has been circulating for 15 seconds) to the corresponding body of water (e.g., spa for spa heater) and the actual water temperature is below the temperature you set with TEMP SET in the Menu. If these conditions are not met, the heater will be enabled (ready to go), but will not fire. When the heater is enabled, the LED below the DOWN button on the OneTouch™ Control Panel will be green. When it is firing, the LED will turn red.

Heater "Short Cycling" Prevention - When the heater is activated and the desired temperature is reached, heater will turn off and remain off for 3 minutes, even if the temperature falls below the desired temperature. This feature prevents heater short cycling (i.e., heater turning off and on in rapid succession).

Cleaner Lockout - The pool cleaner will only activate if the system is in pool mode (i.e., water circulating to pool). The pool cleaner requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

Spillover Lockout - The spillover will only activate if the system is in pool mode (i.e., water circulating to pool). The spillover requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the waterfall. Also, if the pool cleaner is on, it will turn off during spillover operation.

Spillover - When Dip Switch S1-3 is in the ON position, the Aux. 3 relay socket is activated and the return valve actuator turns. The spillover is disabled while the spa is on. A message is displayed when spillover is turned on while in spa mode (water circulation is to spa). The spillover requires that water circulation is to pool in order to operate. The spillover will activate when the system switches back to pool mode.

Enabled - When activated allows the function to work.

Disabled - When activated does not allow the function to work.

8.2 Glossary of Special Auxiliary Labels

Spare AUX - With DIP switch S1-6 turned **OFF**, the spare auxiliary socket is energized in "Pool Mode" and off in "Spa Mode". With DIP switch **ON**, the spare Auxiliary socket is energized in the "Spa Mode" and off in the "Pool Mode". Operates only with Pool/Spa combination units.

Extra AUX - System features (for example, light dimming, software labeling, and timed aux) can be assigned to the extra AUX button. Only freeze protection cannot be assigned to the extra auxiliary.

Air Blower - When an AUX button labeled "Air Blower" is pressed, it will turn on the air blower for 30 minutes, then automatically turn it off. An air blower may be programmed like any other auxiliary, except that you can program only the ON time. The air blower will turn on at the programmed ON time, and turn off 30 minutes later. This is to protect the blower motor from overheating during extended operation. To change the ON time from the default value of 30 minutes, refer to the DEVICE RUNTIME feature.

Fill Line - When an AUX button labeled "Fill Line" is pressed, it will turn on the fill line for 30 minutes, and then automatically turn it off. A fill line may be programmed like any other auxiliary, except that you can program only the ON time. The fill line will turn on at the programmed ON time, and turn off 30 minutes later. This is to avoid overfilling the pool. Choose the appropriate number of "fill" programs during the week to keep your pool at the appropriate level. To change the ON time from the default value of 30 minutes, refer to the DEVICE RUNTIME feature.

8.3 Glossary of Controller Messages

CLEANER CANNOT BE TURNED ON WHILE SPA IS ON - This message is displayed if the pool cleaner is activated when in spa mode (i.e., water is circulating to spa). The pool cleaner requires that water be circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

CLEANER CANNOT BE TURNED ON WHILE SPILLOVER IS ON - The return valve has been rotated to the spa position to give the spa spillover effect.

FREEZE PROTECT - This message indicates that freezing conditions have been detected by the freeze protection sensor, and that equipment assigned to freeze protection (e.g., filter pump) are active. See the Section 7.4, Freeze Protection, for more information.

NOTE Only the filter pump is protected unless the optional freeze sensor is installed. If a freeze protected Auxiliary is turned off during freeze protection, a message will be displayed indicating that item is off but will turn on in X amount of minutes. The minutes will vary depending on how long freeze mode has been active from 1 to 15 minutes.

SENSOR OPEN - This error message indicates that the sensor is not installed properly or is malfunctioning. Call your pool service person to resolve this problem.

NOTE If the message reads WATER TEMP OPEN, the heater will not fire. If message AIR TEMP OPEN is displayed, freeze protection will not operate correctly.

POOL HEATER ENABLED - This message indicates that the pool heater is ready to use but is not actually firing. The filter pump must be on, and the water temperature must be below the setting for the heater to fire.

PUMP WILL REMAIN ON WHILE SPILLOVER IS ON - This message is displayed when you attempt to turn off the filter pump while a spa spillover is on. Since the filter pump is necessary for spillover operation, the pump will remain on until the spillover is turned off.

PUMP WILL TURN OFF AFTER COOL DOWN CYCLE - This message indicates that the filter pump is circulating water to cool down the heater. The filter pump will continue to run for five minutes to protect the heater from damage, whenever the heater has fired and has been off for less than five (5) minutes.

PUMP WILL TURN ON AFTER DELAY - This message is displayed during pool/spa switching. The AquaLink® RS waits 35 seconds while the valves turn from pool position to spa position (or vice-versa) before activating the filter pump.

SERVICE MODE - This message indicates that the Controller has been locked out from the power center and is not operational. Service mode is used by the pool service person to aid them in servicing the pool. The Controller will not be functional until the switch at the Power Center is moved back to AUTO mode.

SENSOR SHORT - This error message indicates that the sensor is not installed properly or is malfunctioning. Call your pool service person to resolve this problem.

NOTE If the message reads WATER TEMP SHORT, the heater will not fire. If the message AIR TEMP SHORT is displayed, freeze protection will not operate correctly.

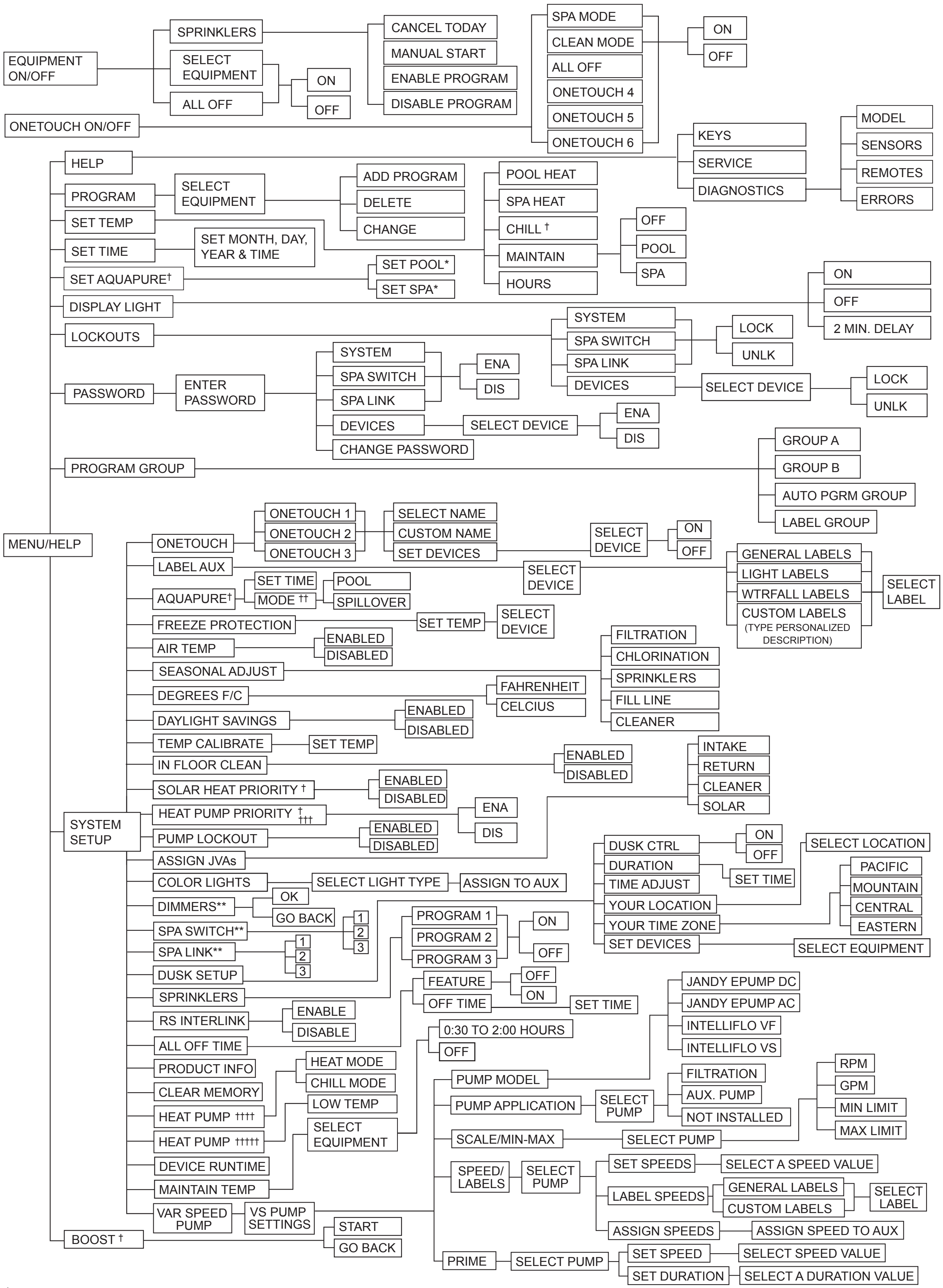
SPA WILL TURN OFF AFTER COOL DOWN CYCLE - When the system is in Spa Mode (water is circulating to the spa) and the Spa button is pressed to switch water circulation to the pool, the system will not switch to Pool Mode for five minutes, and will continue to circulate the water (if the heater has fired and has been off for less than five minutes). This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

TIMED AUX ON, WILL TURN OFF AFTER 30 MINUTES - This message indicates that a timed auxiliary (usually a blower) has been activated and will turn off after 30 minutes. Some labels (e.g., blower, fill line) have a built-in 30 minute shut off.

TIMEOUT MODE - This message indicates that the Controller has been locked out from the Power Center and is not operational. TIME OUT mode is used by the pool service person to aid them in servicing the pool. The Controller will not be functional for three hours, or until the switch at the Power Center is turned back to AUTO mode.

SPILLOVER DISABLED WHILE SPA IS ON - This message is displayed when the spa spillover is pressed while in spa mode (water circulation is to spa). The spillover requires that water circulation is to pool in order to operate. The spillover will activate when the system switches back to pool mode.

Section 9. OneTouch™ Menu Flow Chart



† Items seen only with optional equipment
†† Mode only displayed when DIP switch S1-3 is set to ON
††† DIP switch S2-1 must be ON. See differences between heat pumps controlled via RS485 or solar pump relay
†††† Heat pump is controlled via the solar pump relay
††††† Heat pump is controlled via the RS485
* Items seen only in Revision "N" and later
** Not Available on Export Models

EQUIPMENT INFORMATION RECORD

DATE OF INSTALLATION ____________________

INSTALLER INFORMATION ____________________

INITIAL PRESSURE GAUGE READING (WITH CLEAN FILTER) ____________________

PUMP MODEL ____________________ **HORSEPOWER** ____________________

FILTER MODEL ____________________ **SERIAL NUMBER** ____________________

CONTROL PANEL MODEL ____________________ **SERIAL NUMBER** ____________________

NOTES: ____________________

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LIMITED WARRANTY

Thank you for purchasing Jandy® pool and spa products. Jandy Pool Products, Inc. warrants all parts to be free from manufacturing defects in materials and workmanship for a period of one (1) year from the date of retail purchase, with the following exceptions:

- AquaLink® RS units installed with Jandy Surge Protection Kits will be covered for two (2) years.
- Never Lube® valves are warranted for the life of the pool and/or spa on which they were originally installed.
- AquaPure® Electronic Chlorine Generator Electrolytic Cells carry a five (5) year limited warranty on a prorated basis.
- Heat pumps are covered for two (2) years. There is a lifetime warranty on titanium tubing.
- The heat pump compressor is covered for five (5) years.

This warranty is limited to the first retail purchaser, is not transferable, and does not apply to products that have been moved from their original installation sites. The liability of Jandy Pool Products, Inc. shall not exceed the repair or replacement of defective parts and does not include any costs for labor to remove and reinstall the defective part, transportation to or from the factory, or any other materials required to make the repair. Refrigerant or other expendables are not covered by the warranty. This warranty does not cover failures or malfunctions resulting from the following:

1. Failure to properly install, operate, or maintain the product(s) in accordance with our pubished Installation, Operation and Maintenance Manuals, which are provided with the product(s).
2. The workmanship of any installer of the product(s).
3. Not maintaining a proper chemical balance in your pool and/or spa [pH levels between 7.2 and 7.8, with ideal ranges being between 7.4 and 7.6, Total Alkalinity (TA) between 80 to 120 ppm, Total Dissolved Solids (TDS) less than 2000, not including salt ppm].
4. Abuse, alteration, accident, fire, flood, lightning, rodents, insects, negligence, or acts of God.
5. Scaling, freezing, or other conditions causing inadequate water circulation.
6. Operating the product(s) at water flow rates outside the published minimum and maximum specifications.
7. Use of non-factory authorized parts or accessories in conjunction with the product(s).
8. Chemical contamination of combustion air or improper use of sanitizing chemicals, such as introducing sanitizing chemicals upstream of the heater and cleaner hose or through the skimmer.
9. Overheating; incorrect wire runs; improper electrical supply; collateral damage caused by failure of O-rings, DE grids, or cartridge elements; or damage caused by running the pump with insufficient quantities of water.

LIMITATION OF LIABILITY:
This is the only warranty given by Jandy Pool Products, Inc. No one is authorized to make any other warranties on behalf of Jandy Pool Products, Inc. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY. JANDY POOL PRODUCTS, INC. EXPRESSLY DISCLAIMS AND EXCLUDES ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT, OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY.** This warranty gives you specific legal rights. You may also have other rights that vary by state or province.

WARRANTY CLAIMS:
For prompt warranty consideration, contact your dealer and provide the following information: proof of purchase, model number, serial number, and date of installation. The installer will contact the factory to obtain instructions regarding the claim and to determine the location of the nearest designated service center. If the dealer is not available, you can locate a service center in your area by visiting www.jandy.com or by calling our technical support department at 1.707.776.8200, extension 260. All returned parts must have a Returned Material Authorization number to be evaluated under the terms of this warranty.

Jandy®

ETL LISTED CONFORMS TO UL STD 1563
CERTIFIED TO CAN/CSA C22.2 NO. 218.1

Jandy Pool Products, Inc.
6000 Condor Drive • Moorpark, CA USA 93021 • 707.776.8200 • Fax 707.763.7785

6593M

LIMITED WARRANTY

Thank you for purchasing Jandy® pool and spa products. Jandy Pool Products, Inc. warrants all parts to be free from manufacturing defects in materials and workmanship for a period of one (1) year from the date of retail purchase, with the following exceptions:

- AquaLink® RS units installed with Jandy Surge Protection Kits will be covered for two (2) years.
- Never Lube® valves are warranted for the life of the pool and/or spa on which they were originally installed.
- AquaPure® Electronic Chlorine Generator Electrolytic Cells carry a five (5) year limited warranty on a prorated basis.
- Heat pumps are covered for two (2) years. There is a lifetime warranty on titanium tubing.
- The heat pump compressor is covered for five (5) years.

This warranty is limited to the first retail purchaser, is not transferable, and does not apply to products that have been moved from their original installation sites. The liability of Jandy Pool Products, Inc. shall not exceed the repair or replacement of defective parts and does not include any costs for labor to remove and reinstall the defective part, transportation to or from the factory, or any other materials required to make the repair. Refrigerant or other expendables are not covered by the warranty. This warranty does not cover failures or malfunctions resulting from the following:

1. Failure to properly install, operate, or maintain the product(s) in accordance with our pubished Installation, Operation and Maintenance Manuals, which are provided with the product(s).
2. The workmanship of any installer of the product(s).
3. Not maintaining a proper chemical balance in your pool and/or spa [pH levels between 7.2 and 7.8, with ideal ranges being between 7.4 and 7.6, Total Alkalinity (TA) between 80 to 120 ppm, Total Dissolved Solids (TDS) less than 2000, not including salt ppm].
4. Abuse, alteration, accident, fire, flood, lightning, rodents, insects, negligence, or acts of God.
5. Scaling, freezing, or other conditions causing inadequate water circulation.
6. Operating the product(s) at water flow rates outside the published minimum and maximum specifications.
7. Use of non-factory authorized parts or accessories in conjunction with the product(s).
8. Chemical contamination of combustion air or improper use of sanitizing chemicals, such as introducing sanitizing chemicals upstream of the heater and cleaner hose or through the skimmer.
9. Overheating; incorrect wire runs; improper electrical supply; collateral damage caused by failure of O-rings, DE grids, or cartridge elements; or damage caused by running the pump with insufficient quantities of water.

LIMITATION OF LIABILITY:
This is the only warranty given by Jandy Pool Products, Inc. No one is authorized to make any other warranties on behalf of Jandy Pool Products, Inc. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY. JANDY POOL PRODUCTS, INC. EXPRESSLY DISCLAIMS AND EXCLUDES ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT, OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY.** This warranty gives you specific legal rights. You may also have other rights that vary by state or province.

WARRANTY CLAIMS:
For prompt warranty consideration, contact your dealer and provide the following information: proof of purchase, model number, serial number, and date of installation. The installer will contact the factory to obtain instructions regarding the claim and to determine the location of the nearest designated service center. If the dealer is not available, you can locate a service center in your area by visiting www.jandy.com or by calling our technical support department at 1.707.776.8200, extension 260. All returned parts must have a Returned Material Authorization number to be evaluated under the terms of this warranty.

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EQUIPMENT INFORMATION RECORD

DATE OF INSTALLATION ____________________

INSTALLER INFORMATION ____

INITIAL PRESSURE GAUGE READING (WITH CLEAN FILTER) ____________________

PUMP MODEL ____________________ HORSEPOWER ____________________

FILTER MODEL ____________________ SERIAL NUMBER ____________________

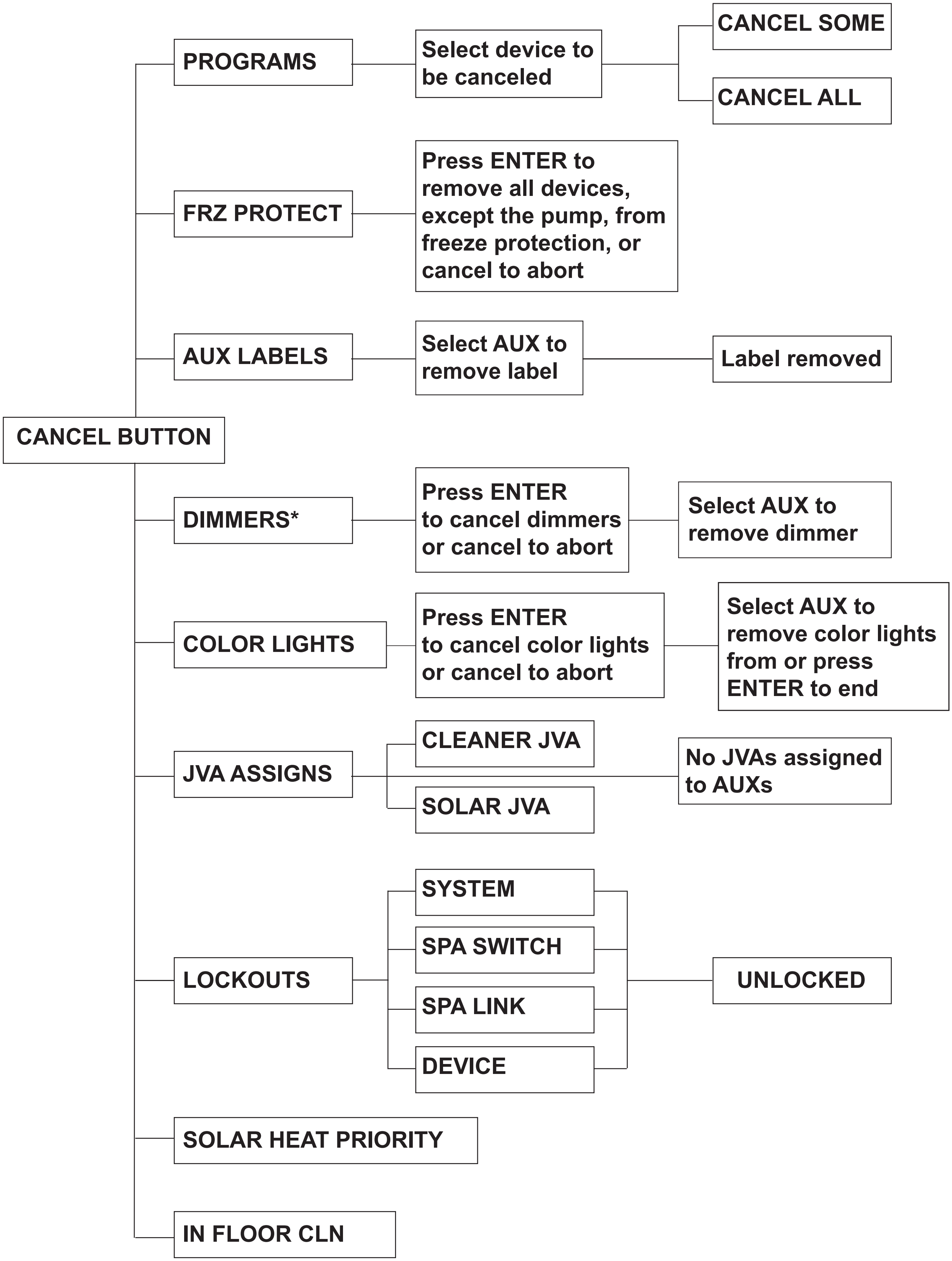
CONTROL PANEL MODEL ____________________ SERIAL NUMBER ____________________

NOTES: ____

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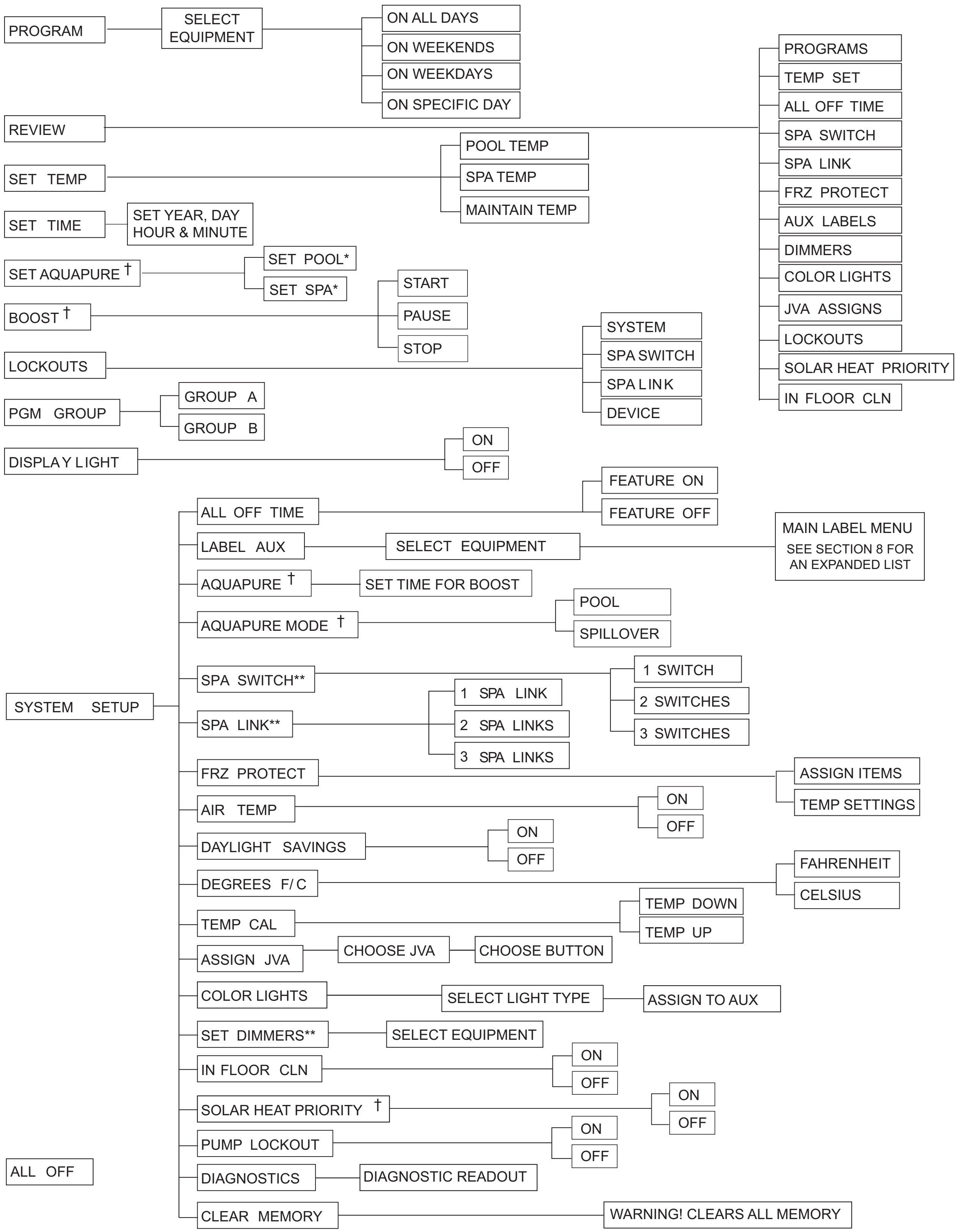
7.2 Cancel Button Flow Chart



* Not Available for Export Models

Section 7. Flow Charts

7.1 Main Menu Flow Chart



†   Items Seen Only With Optional Equipment
***   Items Seen Only In Revision "M" or later**
****   Not Available on Export Models**

6.3 Glossary of Controller Messages

CLEANER CANNOT BE TURNED ON WHILE SPA IS ON - This message is displayed if the pool cleaner is activated when in spa mode (i.e., water is circulating to spa). The pool cleaner requires that water be circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

CLEANER CANNOT BE TURNED ON WHILE SPILLOVER IS ON - The return valve has been rotated to the spa position to give the spa spillover effect.

FREEZE PROTECTION ACTIVATED - This message indicates that freezing conditions have been detected by the freeze protection sensor, and that equipment assigned to freeze protection (for example, filter pump) are active. See the section on freeze protection on page 16 of this manual for more information. (**NOTE:** Only the filter pump is protected unless the optional freeze sensor is installed.) If a freeze protected Auxiliary is turned off during freeze protection, a message will scroll indicating that item is off but will turn on in X amount of minutes. The minutes will vary depending on how long freeze mode has been active from 1 to 15 minutes.

SENSOR OPENED - This error message indicates that the sensor is not installed properly or is malfunctioning. Call your pool service person to resolve this problem. **NOTE:** If the message reads WATER SENSOR OPEN, the heater will not fire. If message AIR SENSOR OPEN is displayed, freeze protection will not operate correctly.

POOL HEATER ENABLED - This message indicates that the pool heater is ready to use but is not actually firing. The filter pump must be on, and the water temperature must be below the setting for the heater to fire.

PUMP WILL REMAIN ON WHILE SPILLOVER IS ON - This message is displayed when you attempt to turn off the filter pump while a spa spillover is on. Since the filter pump is necessary for spillover operation, the pump will remain on until the spillover is turned off.

PUMP WILL TURN OFF AFTER COOL DOWN CYCLE - This message indicates that the filter pump is circulating water to cool down the heater. The filter pump will continue to run for five minutes to protect the heater from damage, whenever the heater has fired and has been off for less than five (5) minutes.

PUMP WILL TURN ON AFTER DELAY - This message is displayed during pool/spa switching. The AquaLink® RS waits 35 seconds while the valves turn from pool position to spa position (or vice-versa) before activating the filter pump.

SERVICE MODE IS ACTIVE - This message indicates that the Controller has been locked out from the power center and is not operational. Service mode is used by the pool service person to aid them in servicing the pool. The Controller will not be functional until the switch at the Power Center is moved back to AUTO mode.

SENSOR SHORTED - This error message indicates that the sensor is not installed properly or is malfunctioning. Call your pool service person to resolve this problem. **NOTE:** If the message reads WATER SENSOR SHORTED the heater will not fire. If the message AIR SENSOR SHORTED is displayed, freeze protection will not operate correctly.

SPA WILL TURN OFF AFTER COOL DOWN CYCLE - When the system is in Spa Mode (water is circulating to the spa) and the Spa button is pressed to switch water circulation to the pool, the system will not switch to Pool Mode for five (5) minutes, and will continue to circulate the water (if the heater has fired and has been off for less than five minutes). This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

TIMED AUX ON, WILL TURN OFF AFTER 30 MINUTES - This message indicates that a timed auxiliary (usually a blower) has been activated and will turn off after 30 minutes. Some labels (for example, blower, fill line) have a built-in 30 minute shut off.

TIMEOUT MODE IS ACTIVE - This message indicates that the Controller has been locked out from the Power Center and is not operational. TIME OUT mode is used by the pool service person to aid them in servicing the pool. The Controller will not be functional for three hours, or until the switch at the Power Center is turned back to AUTO mode.

SPILLOVER IS DISABLED WHILE SPA IS ON - This message is displayed when the spa spillover is pressed while in spa mode (water circulation is to spa). The spillover requires that water circulation is to pool in order to operate. The spillover will activate when the system switches back to pool mode.

Section 6. Glossaries

6.1 Glossary of Safety Delays and Lockouts

Lockouts - Any device can be locked out, which will prevent those items from being turned on either by programming or manually.

Pool/Spa Switching Filter Pump Delay - The filter pump turns off while valves rotate between pool and spa to prevent damage to the pool equipment. The valves take 35 seconds to rotate between pool and spa; the filter pump will activate as soon as the valves have finished turning.

Heater Cool Down Delay - When the system is heating (water is circulating to the spa) and the Spa button is pressed, the system will remain in Spa Mode for five (5) minutes, and will continue to circulate the water. This delay allows water to cool the heater down by circulating water through it, preventing equipment damage.

Heater Start-up - The heater will only come on if the water is circulating (e.g., filter pump is on and has been circulating for 15 seconds) to the corresponding body of water (e.g., spa for spa heater) and the actual water temperature is below the temperature you set with TEMP SET in the Menu. If these conditions are not met, the heater will be enabled (ready to go), but will not fire. When the heater is enabled, the LED next to the button will be green. When it is firing, the LED will turn red.

Heater "Short Cycling" Prevention - When the heater is activated and the desired temperature is reached, heater will turn off and remain off for three (3) minutes, even if the temperature falls below the desired temperature. This feature prevents heater short cycling (i.e., heater turning off and on in rapid succession).

Cleaner Lockout - The pool cleaner will only activate if the system is in pool mode (i.e., water circulating to pool). The pool cleaner requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the cleaner.

Spillover Lockout - The spillover will only activate if the system is in pool mode (i.e., water circulating to pool). The spillover requires that water is circulating to the pool in order for it to operate. Return to pool mode to activate the waterfall. Also, if the pool cleaner is on, it will turn off during spillover operation.

Spillover - When Dip Switch S2-3 is in the ON position, the Aux. 3 relay socket is activated and the return valve actuator turns. The spillover is disabled while the spa is on. A message is displayed when spillover is turned on while in spa mode (water circulation is to spa). The spillover requires that water circulation is to pool in order to operate. The spillover will activate when the system switches back to pool mode.

Enabled - When activated allows the function to work.

Disabled - When activated does not allow the function to work.

6.2 Glossary of Special Auxiliary Labels

Spare AUX - With DIP switch S2-6 turned **OFF**, the spare auxiliary socket is energized in "Pool Mode" and off in "Spa Mode". With DIP switch **ON**, the spare Auxiliary socket is energized in the "Spa Mode" and off in the "Pool Mode". Operates only with Pool/Spa combination units.

Extra AUX - System features (for example, light dimming, software labeling, and timed aux) can be assigned to the extra AUX button. Only freeze protection cannot be assigned to the extra auxiliary.

Air Blower - When an AUX button labeled "Air Blower" is pressed, it will turn on the air blower for 30 minutes, then automatically turn it off. An air blower may be programmed like any other auxiliary, except that you can program only the ON time. The air blower will turn on at the programmed ON time, and turn off 30 minutes later. This is to protect the blower motor from overheating during extended operation.

Fill Line - When an AUX button labeled "Fill Line" is pressed, it will turn on the fill line for 30 minutes, and then automatically turn it off. A fill line may be programmed like any other auxiliary, except that you can program only the ON time. The fill line will turn on at the programmed ON time, and turn off 30 minutes later. This is to avoid overfilling the pool. Choose the appropriate number of "fill" programs during the week to keep your pool at the appropriate level.

Section 5. Using the Cancel Button

5.1 Cancel Button

The CANCEL button lets you cancel specific programs and settings for the AquaLink® RS. When using the MENU button, the CANCEL button also allows you to cancel steps in the Menu. Below is a brief list of things that you can do with the CANCEL button:

- Cancel all equipment programs for a piece of equipment (cancel all).
- Cancel individual program for equipment (cancel some).
- Cancel Freeze Protection from all devices except for filter pump.
- Cancel specific auxiliary equipment labels.
- Cancel light dimming control on an Auxiliary.

5.1.1 To cancel a program

1. Press the CANCEL button. Use the FORWARD and BACK buttons to advance to PROGRAMS <—>* and press ENTER. The AquaLink® RS display will read SELECT DEVICE TO BE CANCELED.
2. Press the equipment button for which you want a program to be canceled, and press ENTER.
3. If there is only one program, press ENTER. The program will be canceled.
4. If there is more than one program, the AquaLink® RS display will tell you how many programs there are (for example, if there are three programs, the AquaLink® RS display will read 3 PROGRAMS EXIST).
5. The AquaLink® RS display will read CANCEL ALL <—>* . Use the FORWARD and BACK arrow buttons to toggle between CANCEL ALL, and CANCEL SOME. Press ENTER when the selection you want is displayed.
6. If you Cancel All, all programming for that piece of equipment will be canceled.
7. If you Cancel Some, The AquaLink® RS display will read PRESS <----> FOR MORE PROGRAMS ... PRESS ENTER * TO CLEAR PROGRAMS. Use the FORWARD and BACK arrow buttons to toggle between the various programs for that Auxiliary. When the program you want to cancel is displayed, press ENTER. That program will be canceled.
8. Repeat this process for each program to be canceled. Press CANCEL when you are finished.

5.1.2 To cancel an auxiliary label

1. Press the CANCEL button. Use the FORWARD and BACK buttons to advance to LABELS <—>* and press ENTER. The AquaLink® RS display will read SELECT LABEL TO BE CANCELED.
2. Press the button of the Auxiliary for which you want to cancel the label. The label will be removed (for example, Cabana Light will become AUX 4).

4.27 Pump Lockout Menu

The PUMP LOCKOUT menu allows you to enable (pump off) or disable (pump on) when valves are rotating from pool to spa.

4.27.1 To operate Pump Lockout

Under SYSTEM SETUP, use the FORWARD or BACK arrow to move to PUMP LOCKOUT, press ENTER. Use the FORWARD or BACK arrow button to turn PUMP LOCKOUT on or off. Press ENTER to return to the information screen.

4.28 Diagnostics Menu

The DIAGNOSTICS menu is used primarily by licensed AquaLink® Service Personnel to check the functionality of the system and to troubleshoot. If there is a problem with your AquaLink RS, you may want to review the Diagnostic Display to check for open circuits.

4.28.1 To check the AquaLink® RS System

Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER, then press FORWARD to the DIAGNOSTICS Menu and press ENTER. The AquaLink® RS Display will display a list of various equipment and its status. If any sensors read OPEN or SHORTED, consult your AquaLink® Service Representative.

4.29 Clear Memory Menu

The Clear Memory menu allows you to clear all stored values from the AquaLink® RS memory. All settings will be set to their default settings. Stored values include auxiliary labels, all programs, freeze protection settings, remote settings, and thermostat settings. The time and date will not be cleared.

Only use the Clear Memory Menu as necessary. Most specific programs and settings can be canceled individually, using the CANCEL button.

4.29.1 To clear system memory

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER and then press FORWARD to CLR MEMORY. Press ENTER again. The AquaLink RS display will read PRESS ENTER TO CLEAR MEMORY, or CANCEL TO ABORT.
2. If you want to clear memory, press ENTER. Otherwise, press CANCEL.

4.24 Set Dimmer Menu

The SET DIMMER menu is used to assign auxiliary buttons to control a dimmable light. Please note that your installer must install a Light Dimming Relay in order for your light(s) to be dimmable.

NOTE An optional Light Dimming Relay must be installed and only 110 VAC lighting can be dimmed.

4.24.1 To operate dimmable lights

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER then press FORWARD to SET DIMMERS <—>*. The AquaLink® RS display will read SELECT AN AUX TO OPERATE AS A DIMMER.
2. Press the AUX button you want to operate as a dimmable light and press ENTER.
3. Dimmers can be set at 25%, 50%, 75%, or 100%, depending upon the amount of light desired, by pressing the AUX assigned as a dimmer and using arrow (<—>*) buttons to dim or brighten. Once desired brightness is achieved, press ENTER. Press AUX to turn off. NOTE: When light is turned back on, it will automatically return to the brightness last set.

4.25 In Floor/Return Valve Switching Menu

When the AquaLink® RS is set up to control this feature, the "Solar JVA" circuit will be activated every 20 minutes to switch a three port valve from returning water through normal return lines to send the water to an in floor cleaning system. If a solar system is installed this circuit reverts to AUX 3. A JVA/AUX PC Board is required.

4.25.1 To operate In Floor/Return Valve Switching

Under SYSTEM SETUP, use the FORWARD or BACK arrow to move to IN FLOOR CLN. Use the FORWARD or BACK arrow button to turn IN FLOOR CLN on or off. Press ENTER to return to the information screen.

4.26 Solar Priority/Heat Pump Menu

When solar and heater are enabled the solar will heat the water until either the thermostat setting has been reached or solar heat is no longer available. If there is not enough solar heat available to reach the thermostat setting, solar heat will shut off and the other heat source (usually gas heater) will take over to bring the water up to the thermostat setting.

4.26.1 To operate the Solar Priority/Heat Pump

Under SYSTEM SETUP, use the FORWARD or BACK arrow to move to SOLR PRIORITY, press ENTER. Use the FORWARD or BACK arrow button to turn solar priority on or off. Press ENTER to return to the information screen.

4.22 Assign JVA Menu

The ASSIGN JVA menu lets you assign Jandy Valve Actuators (JVAs) to any auxiliary button. This means that whenever you press that auxiliary button, a valve turns. On pool/spa combination models, there are two JVAs that can be assigned to auxiliary buttons: the Cleaner JVA and the Solar JVA. On pool/spa only models, there are four (4) JVAs available. The AquaLink® RS installer must set up these JVAs for this feature to operate correctly. Assigning JVAs lets the owner control certain features like diverting water to a waterfall or bank of spa jets. Multiple JVAs can be assigned to one auxiliary button without extra hardware.

4.22.1 To set the Assign JVA buttons

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER then press FORWARD to ASSIGN JVA. Press ENTER again. The AquaLink® RS display will read CLEANER JVA <—>*. If both JVAs are being used, you will not be able to use this menu.
2. Use the FORWARD and BACK arrows to toggle between CLEANER JVA and SOLAR JVA. When the JVA you want to assign to an auxiliary is displayed, press ENTER.
3. The AquaLink® RS display will read SELECT AUX TO ASSIGN JVA TO. Press the button of the auxiliary that you want to activate the JVA.

4.23 Set Color Lights Menu

The COLOR LIGHTS menu is used to select the color light type (Jandy, Pentair® SAm™/SAL® or Color Logic®), and to assign the color light to an available auxiliary relay.

4.23.1 To set Color Lights

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER, then press FORWARD to COLOR LIGHTS <—>*. Press ENTER, use the BACK and FORWARD arrow buttons to select the color light type, JANDY LIGHT <—>*, SAM/SAL LIGHT <—>* or COLOR LOGIC <—>*. Press ENTER to select the desired light type. The controller displays "SELECT AN AUX TO OPERATE AS A COLOR LIGHT or PRESS ENTER TO END".
2. Press the AUX button you want to operate as a color light and press ENTER.
3. Color lights can be set to one of several colors, or they can be set to cycle through all available colors. To set the color light to a particular color or to have it cycle through its colors, press the AUX key that the color light is assigned to. The most recently selected color will be displayed, for example, Alpine White <—>*. Use the FORWARD and BACK arrow buttons until the desired color is shown on the display, press ENTER to select. Press AUX to turn the color light off.

NOTE If any button other than the ENTER button is pressed, or if 10 seconds have elapsed without a key press, the most recently selected color will be selected again.

4.19 Daylight Savings Menu

The DAYLIGHT SAVINGS menu enables the automatic adjustment for Daylight Savings Time.

4.19.1 To activate Daylight Savings display

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP, press ENTER.
2. Scroll to DAYLIGHT SAVINGS and press ENTER. Use an arrow button to turn DAYLIGHT SAVINGS off. Default setting is on.

4.20 Degrees F/C Menu

The Degrees F/C menu allows you to change the AquaLink® RS temperature display from Fahrenheit to Celsius or vice versa.

4.20.1 To change the Temp Readout

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER, then press FORWARD to DEGREES F/C and press ENTER. The AquaLink® RS display will read FAHRENHEIT <- ->* .
2. Use the FORWARD and BACK buttons to toggle between Fahrenheit and Celsius. When the option you want is displayed, press ENTER.

4.21 Temp Calibration Menu

The TEMPERATURE CALIBRATION menu allows you to “adjust” the temperature that is displayed on the AquaLink® RS by ±4 degrees Fahrenheit so that it matches other water temperature thermometers you may have.

NOTE The electronic sensor of the AquaLink® RS is very accurate. Ensure that your other thermometer is reading reliably before recalibrating. If the temperature is off by more than 4 degrees Fahrenheit, contact Jandy as to the possible cause.

4.21.1 To adjust the temperature display

NOTE Be sure the water temperature sensor is properly connected and the filter pump is turned on while using this procedure.

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER, then press FORWARD to TEMP CAL and press ENTER again. The AquaLink® RS display will give you a message to press ENTER to calibrate temperature.
2. Use the FORWARD and BACK buttons to adjust the temperature display up or down.

NOTE This will not change the temperature of the water, only the display of the temperature on the AquaLink® RS display. Press ENTER when the desired temperature is displayed.

4.17 Freeze Protection Menu

The Freeze Protection menu lets you assign freeze protection to your pool and spa equipment. When a piece of equipment is assigned to freeze protection, it will turn on when the AquaLink® RS detects freezing conditions. The main filter pump is freeze-protected as a default. You can change the temperature at which freeze protection will activate (between 34ºF and 42ºF). For example, if you want freeze-protected equipment to turn on when the air temperature has dropped to 37ºF, you can set the system so this is the case.

NOTE Default freeze protection activation temperature is 38º F. Normal items to assign to freeze protection are spa jet pump or waterfall pump.

4.17.1 To set freeze protection

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER and then press FORWARD to FRZ PROTECT**.** Press ENTER again. The display will read ASSIGN ITEMS <—>* .
2. Use the FORWARD and BACK arrow buttons to move between ASSIGN ITEMS and TEMP SETTING. If you want to assign items to freeze protection, press ENTER when ASSIGN ITEMS is displayed. If you want to set the temperature at which freeze protected items are activated, press ENTER when TEMP SETTING is displayed.
3. *If you are assigning items*, the AquaLink® RS display will read ENTER DEVICE TO ADD TO FREEZE PROTECTION. Press the button of the equipment you want to add to freeze protection. Press ENTER when done.
4. *If you are setting the temperature at which freeze protected equipment is activated*, use the FORWARD and BACK arrows to change the temperature. Press ENTER when the desired temperature is displayed.

SPECIAL NOTE ON FREEZE PROTECTION

Freeze protection is intended to protect equipment and plumbing for short periods of freezing only. It does this by activating the filtration pump and circulating water so that it won't freeze inside of equipment or plumbing. Freeze Protection does **not** guarantee that equipment will not be damaged by extended periods of freezing temperatures. In these conditions, the pool and spa should be shut down completely (i.e., drained of water and closed for the winter) until warmer weather exists.

CAUTION

Activating the spa during freezing conditions will override freeze protection. This means that if you are using your spa when freezing conditions exist, freeze protection will **not** circulate water to non-spa related equipment that you may have freeze protected (e.g. pool cleaner, booster pump.) Under these circumstances, the potential for equipment damage may exist.

4.18 Air Temperature Menu

The AIR TEMPERATURE menu lets you turn the display of the air temperature on and off on the AquaLink® RS display. You must have an air temperature sensor installed for this feature to operate.

NOTE If an air temperature sensor is not installed, the display will read AIR TEMP SENSOR NOT INSTALLED.

4.18.1 To activate Air Temperature display

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER and then press FORWARD to AIR TEMP. Press ENTER again. The AquaLink® RS display will read AIR TEMP ON <—>* or AIR TEMP OFF <—>*.
2. Use the FORWARD and BACK arrow buttons to toggle between on and off. When the option you want is displayed, press ENTER.

4.15 Spa Side Switch Menu

The Spa Side Switch menu allows you to define which equipment is controlled by the buttons (4 buttons per Spa Side Switch) on the optional Spa Side Switch(es).

You may want to write down your spa side switch button assignments so that you can label the buttons on the switch with the label pack provided.

4.15.1 To set the Spa Side Switch buttons

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER then press FORWARD to SPA SWITCH. Press ENTER again. The display will read 1 SWITCH <—>*. Use the FORWARD and BACK arrows to move between 1 SWITCH, 2 SWITCHES and 3 SWITCHES. Depending on how many Spa Side Switches you have, choose an option and press ENTER.
2. The AquaLink® RS display will read SELECT DEVICE FOR BUTTON 1. Press the button on the Controller for the piece of equipment that you want to control from the first button of the Spa Side Switch (for example, press the Spa button).
3. Repeat this process for each remaining button on the Spa Side Switch. When you are finished, the AquaLink® RS display will show the settings for each button.

NOTE If there is more than one Spa Side Switch on the system, the buttons on the second switch will be buttons 5-8, and the buttons on the third Spa Side Switch will be buttons 9-12.

4.16 SpaLink® RS Menu

The SPA LINK menu allows you to define which equipment is controlled by the buttons (8 buttons per SpaLink® RS) on the optional SpaLink®(s).

NOTE You may want to write down your SpaLink® RS button assignments so that you can label the buttons on the switch with the label pack provided.

4.16.1 To set the SpaLink® RS buttons

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER then press FORWARD to SPA LINK. Press ENTER again. The display will read 1 SPA LINK <—>*. Use the FORWARD and BACK arrows to move between 1 SPA LINK, 2 SPA LINKS and 3 SPA LINKS. Depending on how many SpaLinks you have, choose an option and press ENTER.
2. The AquaLink® RS display will read SELECT DEVICE FOR BUTTON 1. Press the button on the Controller for the piece of equipment that you want to control from the first button of the SpaLink® RS (for example, press the Spa button).
3. Repeat this process for each remaining button on the SpaLink® RS. When you are finished, the AquaLink® RS display will show the settings for each button.

NOTE If there is more than one SpaLink® RS on the system, the buttons on the second switch will be buttons 9-16, and the buttons on the third SpaLink® will be buttons 17-24.

4.13 Label AUX Menu

The LABEL AUX menu allows custom naming of auxiliary equipment. For example, you can set the display to read YARD LIGHT ON instead of AUX 4 ON.

NOTE Some labels add special features (for example, 30 minute timed off times) to the Auxiliary. See Section 6.2, Glossary of Special Auxiliary Labels, for more details.

4.13.1 To label Auxiliary Buttons

1. Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP. Press ENTER and LABEL AUX will be displayed. Press ENTER again and the display will read SELECT AUX TO LABEL or PRESS ENTER TO END.
2. Press the button of the auxiliary equipment that you wish to label, for example, AUX 1. The AquaLink® RS display will read AUX 1 <—>*.
3. Use the FORWARD and BACK arrow buttons to move through the list of labels. When you get to the desired label, press ENTER.

NOTE ON LABELING LIGHTS Since many different types of lights can be controlled by the AquaLink® RS, there is a special submenu for lights. To access it, follow the steps above, and move through the list of labels until you come to the label LIGHTS **<—>*.** Press ENTER. You are now in the lights submenu. Use the FORWARD and BACK arrow buttons to move through this submenu, and press ENTER when the light label that you want is displayed. There is also a waterfall submenu that functions in the same way.

NOTE Please be aware that if the label NOT USED from the GENERAL LABEL menu is used on an AUX relay, the relay will not engage.

4.14 Boost Hours of Operation Menu

Activates the BOOST feature that will operate the AquaPure® at 100% output for 24 hours.

4.14.1 To use the Boost hours

Press the MENU button, then press the FORWARD button and scroll through until you reach SYSTEM SETUP, press ENTER. Scroll to AQUAPURE HRS and press ENTER. Use the arrow buttons to change the hours BOOST will operate.

4.10 All Off Menu

The ALL OFF menu will turn off equipment that has been turned on by any means (manual or pre-programmed). This includes any of the heater enables that were on (unless in use by the Maintain function).

NOTE Specific time to activate ALL OFF can be set in the SYSTEM SETUP menu.

4.10.1 To use the All Off Menu

Press the MENU button, then press the FORWARD button and scroll through until you reach ALL OFF, press ENTER.

4.11 System Setup Menu

Check with the installer before making changes to the SYSTEM SETUP.

4.11.1 To use the System Setup Menu

1. Press the MENU button. Use the FORWARD and BACK buttons to move to the SYSTEM SETUP Menu and press ENTER.
2. Use the FORWARD and BACK arrow buttons until the desired option is displayed. When the option you want is displayed, press ENTER.

4.12 AquaPure™ Menu

NOTE This equipment may not be part of your system. Please check with your installer.

The AquaPure® Chlorine Generator system exclusively communicates with the AquaLink® RS. The AquaLink® RS Control Panel will display % of chlorine output. When interfaced with the AquaPure® chlorine generator or PureLink, the AquaLink® RS allows for two different pool and spa set points for chlorine production.

The menu item will only appear when an AquaPure® chlorine generator is connected to the AquaLink® RS system.

4.12.1 To Set the AquaPure® Output Percentage (%)

1. Press the Menu button, use the BACK or FORWARD arrow button to display SET AQUAPURE menu, press ENTER.
2. Inside the SET AQUAPURE menu, select either SET POOL or SET SPA then press ENTER.
3. Use the BACK or FORWARD arrow button to change the percentage of chlorine that the AquaPure® will dispense.

4.12.2 To set BOOST POOL

1. Press the Menu button, use the BACK or FORWARD arrow button to display BOOST POOL, press ENTER.
2. To set the amount of hours BOOST will run, go to SYSTEM SETUP, press ENTER, use the BACK or FORWARD arrow button to move to SET AQUAPURE HOURS, press ENTER.
3. Use the BACK or FORWARD arrow button to set the number of hours. Press ENTER to return to the information screen.

4.6.2 To pause or stop Boost Pool

1. Press the MENU button. Use the FORWARD or BACK buttons to move to the BOOST POOL Menu and press ENTER.
2. Use the FORWARD or BACK buttons to toggle between PAUSE, RESTART, and STOP. When the option you want is displayed, press ENTER.

4.7 Lockouts Menu

The LOCKOUTS menu prevents changes to specific AquaLink® RS operations.

When SYSTEM feature is on "LOCK", changes to program and system setup items are prevented.

When SPALINK RS and SPA SWITCH features are on "LOCK", all control from the SpaLink® RS and Spa Side Switch are prevented.

When DEVICE feature is on "LOCK", the selected device will not activate either manually or by programming. This feature can be used to prevent a heater from firing, or stop a fill line from adding water during the rainy months.

4.7.1 To use Lockouts

1. Press the MENU button. Use the FORWARD and BACK buttons to advance to the LOCKOUTS menu and press ENTER. The AquaLink® RS display will read SYSTEM <- ->*.
2. Use the arrow buttons to toggle between SYSTEM, SPA SWITCH, SPA LINK, and DEVICE. Press ENTER when the desired option is displayed.
3. Use the arrow buttons to disable or enable the lockout of your choice. Press ENTER when you are done.

4.8 Program Group Menu

Program groups allow two different on/off times to be programmed for each piece of equipment. This is useful for changing between specific settings for summer, winter, or vacation. The AquaLink® RS will store on/off times for equipment in each group. Use the PROGRAM GROUP Menu to switch between PROGRAM GROUP A and PROGRAM GROUP B. Group A is the default. Program Group A or B will not appear unless PROGRAM GROUP has been selected. Confirm you are in the right Program Group before programming equipment.

4.8.1 To use Program Group

1. Press the MENU button. Use the FORWARD and BACK buttons to move to the PGM GROUP Menu and press ENTER. The AquaLink® RS display will read PROGRAM GROUP A IS ACTIVE or PROGRAM GROUP B IS ACTIVE.
2. The AquaLink® RS display will read GROUP A <—>* or GROUP B <—>*. Use the FORWARD and BACK arrow buttons to toggle between GROUP A and GROUP B. Press ENTER when the group you want is displayed.

4.9 Display Light Menu

The DISPLAY LIGHT menu lets you turn the back light on and off on the AquaLink® RS Controller Display.

4.9.1 To turn the display light on and off

1. Press the MENU button. Use the FORWARD and BACK buttons to move to the DISPLAY LIGHT Menu and press ENTER. The AquaLink® RS display will read LIGHT ON/OFF <—>*.
2. Use the FORWARD and BACK arrow buttons to toggle between on and off. When the option you want is displayed, press ENTER.

4.4 Set Temperature Menu

The SET TEMP menu allows you to preset the pool and spa thermostats. The default pool temperature is 80°F. The default spa temperature is 102°F. (The default TEMP1 temperature is 80ºF. The default TEMP2 temperature is 60ºF.)

SET TEMP will allow you to enable the Maintain Temperature feature and adjust the hours to limit the time of day the Maintain Temperature feature will be active.

NOTE You cannot set the solar temperature. Solar heating will activate when the solar button is pressed, the solar temperature is at least 5º higher than the water temperature, and the water temperature is lower than the thermostat setting.

4.4.1 To set the pool and/or spa temperature

1. Press the MENU button. Use the FORWARD and BACK buttons to advance to the SET TEMP Menu and press ENTER. The AquaLink® RS display will read SET POOL TEMP <- ->* .
2. Use the FORWARD and BACK arrow buttons to choose between SET POOL TEMP and SET SPA TEMP. If you have a pool only or spa only, the choice will be between **TEMP1** and **TEMP2**. When the temperature you want to set is displayed, press ENTER.
3. The AquaLink® RS display will show the current thermostat setting. Use the FORWARD and BACK arrows to move the temperature up and down. When the temperature you want is displayed, press ENTER.

   MAINTAIN: While in SET TEMP menu, scroll to MAINTAIN and press ENTER to turn on (or off) this function. MAINTAIN will run the pump for the selected body of water to keep the water at the desired temperature. When this feature is on, the system will periodically activate the pump, sample the water, and fire the heater to maintain the preset temperature as required. The heater must be enabled for this feature to maintain temperature.

   HOURS: While in SET TEMP menu, scroll to HOURS and press ENTER. Use the FORWARD or BACK buttons to change the HOURS the system will maintain the preset temperature.

NOTE Only Dual Equipment models will maintain more than one body of water.

4.5 Set Time Menu

The SET TIME menu allows the correct time and date to be entered. The correct time and date ensures that programming will work properly.

4.5.1 To set the time

1. Press the MENU button. Use the FORWARD and BACK buttons to move to the SET TIME Menu and press ENTER. The AquaLink® RS display will read YEAR 1998 <—>* .
2. Use the FORWARD and BACK arrow buttons to change the year. When the correct year is displayed, press ENTER.
3. Repeat this process for month, day, hour, and minute. When you are finished, the display will show the correct time and date.

4.6 Boost Menu

Activates the BOOST POOL feature that will operate the AquaPure® Chlorine Generator at 100% output for 24 hours. Boost Pool mode will override all filter pump programs as well as manual operations. BOOST is not available in SPA MODE.

4.6.1 To use the Boost Pool Menu

1. Press the MENU button. Use the FORWARD or BACK buttons to move to the BOOST POOL Menu and press ENTER.
2. Use the FORWARD or BACK buttons to toggle between on and off. When the option you want is displayed, press ENTER.

4.2 Program Menu

The PROGRAM menu lets you program on and off times for any equipment controlled by the AquaLink® RS. You can program equipment to turn on or off at any time you want, including all days, weekends, weekdays, or any specific day of the week. You choose the specific on and off hour and minute. You can program each piece of equipment for multiple on/off times each day.

4.2.1 To set automatic on and off times

1. Press the MENU button. Use the FORWARD and BACK buttons to advance to the PROGRAM Menu and press ENTER. The AquaLink® RS display will read SELECT EQUIPMENT TO PROGRAM.
2. Press the button of the equipment you want to program (for example, FILTER PUMP).
3. You are now in a menu of choices. You may choose ON ALL DAYS, ON WEEKDAYS, ON WEEKENDS, or you may choose a specific day of the week. Use the FORWARD and BACK arrow buttons to move to the choice you want, then press ENTER.
4. The display now reads ON HR 1 PM **<- ->*.** Use the FORWARD and BACK arrow buttons to move to the hour that you want the equipment to turn on, and press ENTER when that hour is displayed.
5. Repeat this process to set the ON MINUTE, OFF HOUR, and OFF MINUTE. When you are finished, the AquaLink® RS Display will review a summary of your program(s).

NOTE ON MULTIPLE PROGRAMS You can have many on and off times for a piece of equipment. If you have more than one program (i.e., more than one on and off time) for a piece of equipment, when you enter a second program, the AquaLink® RS display will read 1 PROGRAM TIME ALREADY EXISTS. If more than one program time already exists, the AquaLink® RS will display how many program times exist. To review these programs, use the REVIEW Menu (see below). If you set two overlapping program times for a piece of equipment (for example, the off time for the first program is later than the on time for the second program), the equipment will turn on at the first on time, and turn off at the first off time.

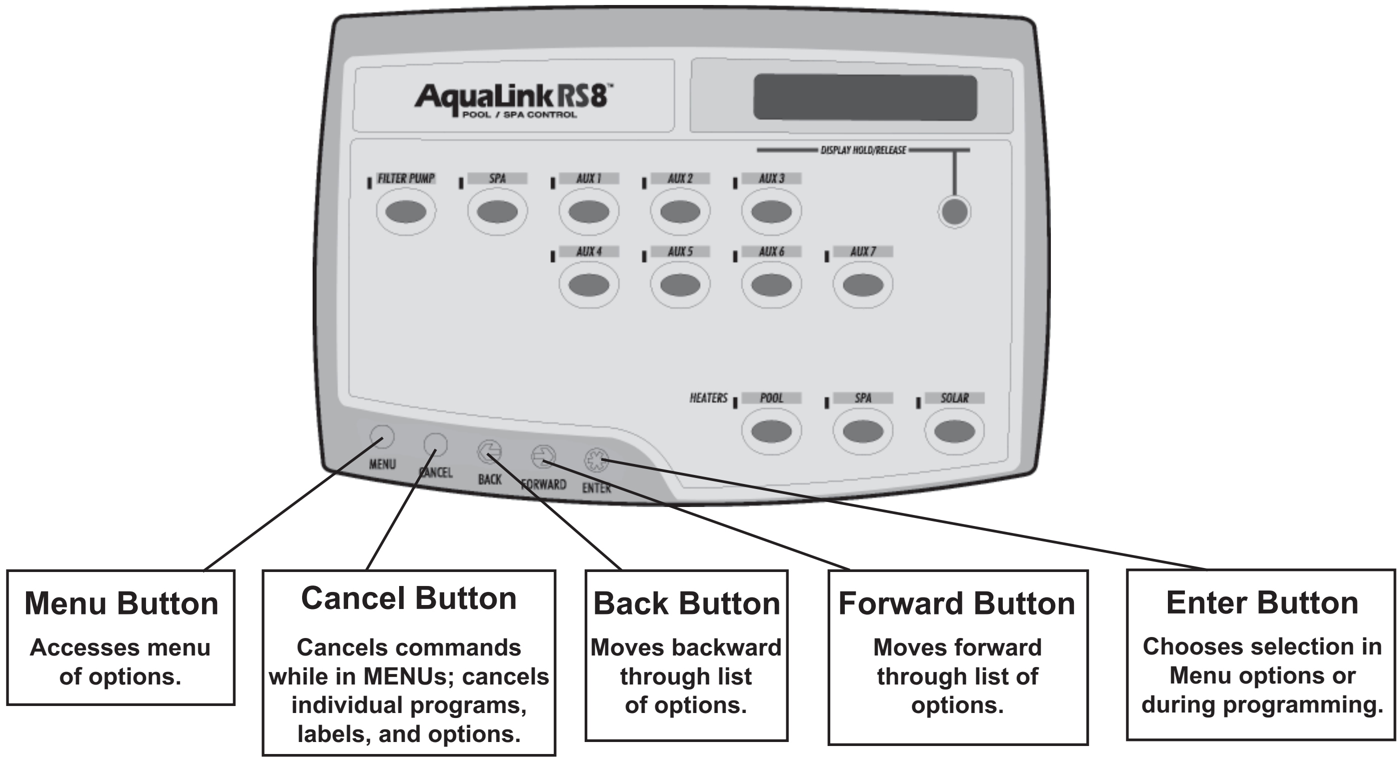
4.3 Review Menu

The REVIEW menu lets you review programming, temperature settings for pool and spa water, Spa Side Switch settings, freeze protection settings for equipment, auxiliary equipment labels, which auxiliaries control dimmable lights, and JVA assignments.

4.3.1 To review items

1. Press the MENU button. Use the FORWARD and BACK buttons to move to the REVIEW Menu and press ENTER. The AquaLink® RS display will read PROGRAMS **<- ->*** .
2. Advance through the list of items to review. Choose PROGRAMS if you want to review programming, TEMP SET if you want to review the temperature settings for the pool and spa, SPA SWITCH if you want to review what the buttons on the Spa Side Switch control and whether it is enabled or not, FRZ PROTECT if you want to review which equipment is freeze protected, AUX LABELS if you want to see the label associated with each piece of auxiliary equipment, DIMMERS if you want to review which buttons control dimmable lights, or JVA ASSIGNS if you want to review which buttons control JVAs. Press ENTER when the option you want is displayed.
3. After you press ENTER, the AquaLink® RS display will show a review of the item you selected.

Section 4. Using the Menu



4.1 Menu Button

The MENU button on the AquaLink® RS allows you to control and customize the features of the unit. Below is a brief list of things you can do with the MENU button:

- Program equipment (set times for equipment to automatically go on and off)
- Review programming (display any automatic time sets for a particular piece of equipment)
- Set pool and spa temperatures (desired temperature for heating the pool and/or spa)
- Set time
- Enable the RS485 heat pump
- Lock out program changes or turn off the Spa Side Switch
- Switch between Program groups
- Turn the light on the AquaLink® RS display on and off
- Label your AquaLink® RS Auxiliary buttons (customize your AquaLink® RS with AUX equipment labels)
- Set the Spa Side Switch functions (set which equipment the buttons on the optional spa side switch will operate)
- Set the SpaLink® RS functions (set which equipment the buttons on the optional SpaLink® RS will operate)
- Configure Freeze Protection (protects equipment from damage caused by freezing water)
- Turn the Air Temperature display on and off (air temperature sensor must be installed)
- Change between Celsius and Fahrenheit temperature displays
- Adjust the temperature to match other thermometers
- Assign JVAs (Valve actuators; rotates valve when AUX button is pressed)
- Assign auxiliaries to be dimmable lights
- Clear the memory (all programs, temperature settings, date, time, and AUX labels will be lost)

To access any of the above features, press the MENU button and follow the prompts. When you see **<- ->** on the right side of the AquaLink® RS display, it indicates you have a menu of choices to scroll through. Use the FORWARD and BACK arrow buttons to move through the list of options, and press the ENTER button when the option you want is displayed.

3.4 Heater Buttons

The HEATER buttons enable the heater for the pool or spa. The solar heater button controls solar heating. When the green LED above a HEATER button is illuminated, that heater is enabled (i.e., ready to heat, but not heating). When the red LED above a HEATER button is illuminated, that heater is on (i.e., firing).

Solar Heat requires an optional solar sensor to operate. For solar heating to take place, the solar heater button must be pressed, the filter pump must be on, the solar temperature must be at least 5ºF above the water temperature, and the water temperature must be below the AquaLink® RS thermostat setting.

If a Solar Sensor is not installed, the solar heater button may be used to control an auxiliary water feature. Check with your installer.

3.4.1 Heater Buttons on Pool Only/Spa Only Units

TEMP 1 is the priority (high) temperature. It must be set higher than **TEMP 2**, and it overrides **TEMP 2** whenever it is enabled. Set temperature for **TEMP 1** before setting temperature for **TEMP 2**.

TEMP 2 is the maintenance (low) temperature. It must be set lower than **TEMP 1**. If **TEMP 2** is on and **TEMP 1** is activated, **TEMP 2** will turn off and its LED will flash. When **TEMP 1** is turned off again, **TEMP 2** will reactivate.

3.4.2 To use the Heater Buttons

Press the HEATER button corresponding to the body of water you wish to heat. Press the SOLAR HEATER button if you want to use solar heat. The heater will only come on if the water is circulating (i.e., filter pump is on) to the corresponding body of water (i.e., SPA for spa heater) and the actual water temperature is below the temperature you set with TEMP SET in the Menu. If these conditions are not met, the heater will be enabled (ready to go), but will not fire. When the heater is enabled, the LED next to the button will be green. When it is firing, the LED will turn red.

3.5 Display Hold/Release Button

The DISPLAY HOLD/RELEASE button locks the AquaLink® RS display that cycles through displays of time, date, temperature and equipment status (for example, PUMP OFF).

3.5.1 To use Display Hold/Release Button

Press the DISPLAY HOLD/RELEASE button once to lock the AquaLink® RS display on the desired message or readout. Press it again to release it, allowing the display to cycle through messages.

3.2 Spa Button

The SPA button switches water circulation from pool to spa (pool and spa combo models only). Turning on the spa also activates the filter pump (after a delay for valve rotation) and deactivates the pool cleaner if it is on. The SPA button must be on to display the spa temperature and/or to heat the spa. Activation takes place after a thirty second delay (while valves are turning).

NOTE See Section 6.1 for a glossary of safety delays.

3.2.1 To use the Spa Button

Press the SPA button once to switch circulation from pool to spa and to turn on the filter pump. Press it again to switch circulation back to pool, and to turn off the filter pump (unless the filter pump was already on). When the spa is on, the LED next to it will illuminate and the pool cleaner and spa spill-over will all be inactive.

3.3 AUX Buttons

AUX buttons control auxiliary equipment such as lights, cleaners, waterfalls, fountains, sprinklers, and other backyard features. Each AUX button can be custom labeled using the label pack provided, and matching labels can be set up to appear in the display, using the MENU button. If the buttons are not labeled, you should label them now. Consult with your installer to see what each auxiliary controls, and follow the instructions in the MENU Button section of this manual to label the functions.

3.3.1 To use the AUX Buttons

Press the button once to turn on the function. Press it again to turn it off. When the function is on, the LED above it will illuminate.

NOTE Some software labels will affect the operation of the AUX Button. See Section 6.2 for details on "Special Auxiliary Labels".

Section 3. Using the Main Buttons

3.1 Filter Pump Button

The FILTER PUMP button turns the main filtration pump on and off for circulation to the pool. This pump also activates if the spa is turned on, if the pool cleaner is turned on, if a spa spill-over effect is activated, or if maintain heat is active.

The main filtration pump circulates the pool or spa water through the filter and heater. It must be on if you want to display the pool temperature, or if you want to heat the pool.

3.1.1 To use the Filter Pump Button

Press the FILTER PUMP button once to turn on the filter pump. Press it again to turn it off. When the filter pump is on, the LED next to it will illuminate. If the filter pump is waiting for a delay before it comes on (or after it is turned off), the LED next to it will flash.

NOTE See Section 6.1 for a glossary of safety delays.

3.1.2 Two Speed Manual Operation (*Not Available for Export Models*)

NOTE This equipment may not be part of your system. Please check with your installer. Optional Two Speed Relay required.

- **For Pool and Spa Combination Units**

  If your control is a POOL and SPA combination with a 2-speed filtration pump, the control will operate as follows: HIGH SPEED (Filter Pump) must be on before LOW SPEED. Filter Pump button, as well as the Spa button, turns it to HIGH SPEED. LOW SPEED (AUX 2) button toggles back and forth from low to high.

- **For Pool or Spa Only Units**

  To use HIGH/LOW Speeds, Filter Pump turns on HIGH SPEED, AUX 2 turns on LOW SPEED. Whatever mode last used is the OFF button. To toggle, press whichever speed is not on.

- **For Dual Equipment Units**

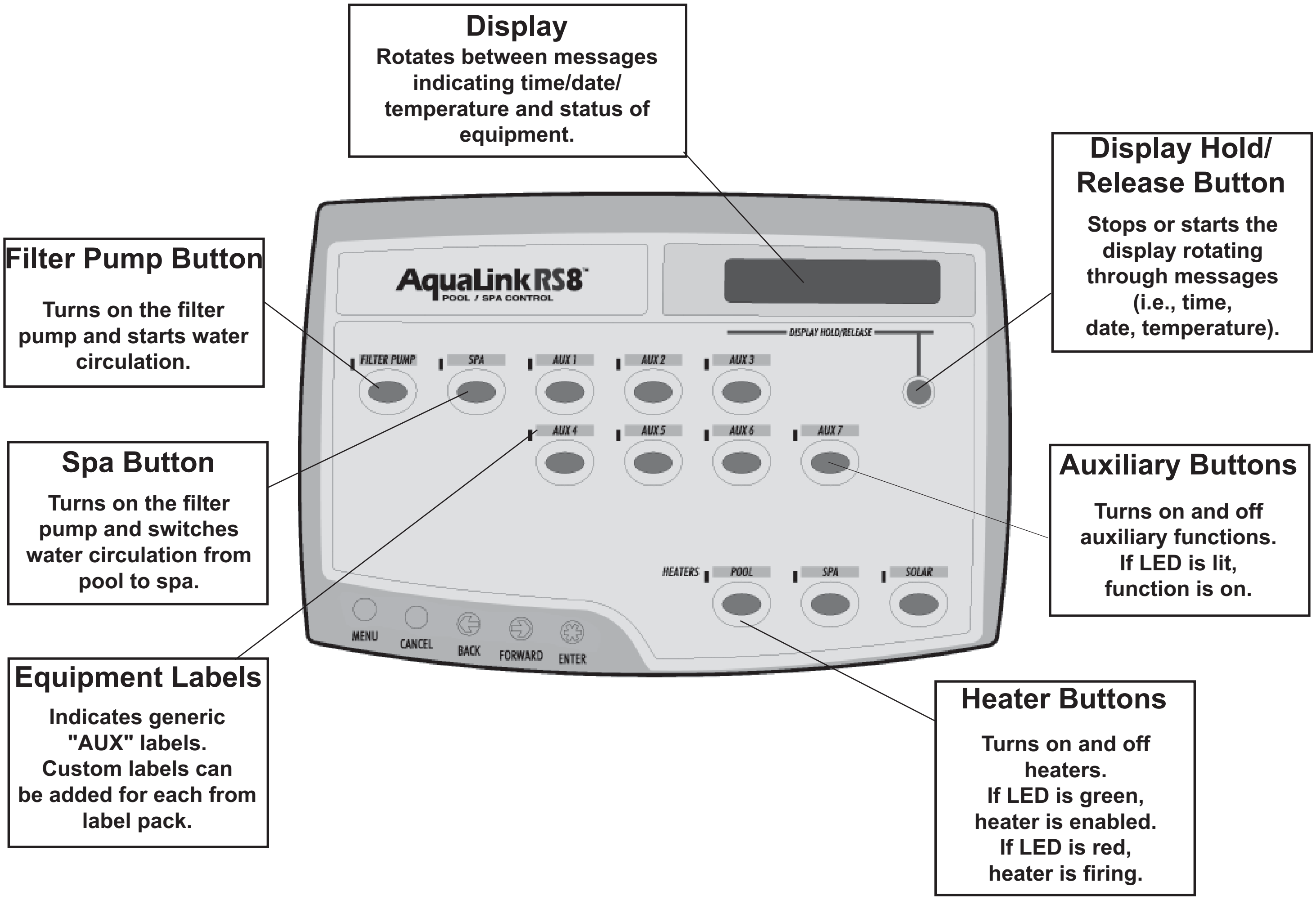
  AquaLink® RS 2/6 operates the same as the POOL/SPA Only units; i.e., Filter Pump turns on HIGH SPEED and AUX 2 turns on LOW SPEED. The mode last used is the OFF button. To toggle, press whichever speed is not on. 2-speed works only on spa filter pump.

- **Two Speed Programming for All Units**

  When programming HIGH and LOW Speeds to operate together, think of HIGH SPEED (Filter Pump) as total duration of filtration time. Then set LOW SPEED (AUX 2) to operate within that duration. For example, if you want HIGH SPEED on for 2 hours and LOW SPEED for 10 hours, program the Filter Pump (HIGH SPEED) from 8 AM to 8 PM and LOW SPEED from 10 AM to 8 PM.

NOTE It is not necessary to program both High and LOW Speeds, even with a Combo Control System. If only LOW SPEED is programmed, HIGH SPEED will turn on at the LOW SPEED on time to prime the pump. After three (3) minutes the system will switch to LOW SPEED for the remainder of its programmed time.

Section 2. Control Panel Overview



2.1 Basic Operation

The AquaLink® RS can turn your pool/spa equipment on and off in two ways:

First, you can press the button of the equipment you want to turn on to activate the equipment. When the LED above a button is illuminated, it means that equipment is on (with the exception of the heater buttons; see Section 3.4 for more details). When the LED above a button flashes, the equipment is being protected by a built-in safety delay (see Section 6.1 for a description of safety delays).

Second, you can also program the equipment to turn on and off at specific times. See page Section 4.2.1 for a detailed explanation of how to program equipment for automatic operation.

2.2 Battery Back-Up

In the event of a power failure, DATE and TIME will be backed-up by the coin cell battery located in the power center enclosure. All other programs and Menu setups do not require battery to store information.

2.3 Power Interruption

In the event there is a power interruption, and the AquaLink® RS system is in service or time out mode, the system will default to Auto. In previous firmware versions, the system would default to last mode of operation.

WARNING

People with infectious diseases should not use a spa or hot tub.

To avoid injury, exercise care when entering or exiting the spa or hot tub.

Do not use drugs or alcohol before or during the use of a spa or hot tub to avoid unconsciousness and possible drowning.

Pregnant or possibly pregnant women should consult a physician before using a spa or hot tub.

Water temperature in excess of 100°F (38°C) may be injurious to your health.

Before entering a spa or hot tub, measure the water temperature with an accurate thermometer.

Do not use a spa or hot tub immediately following strenuous exercise.

Prolonged immersion in a spa or hot tub may be injurious to your health.

Do not permit any electric appliance (such as a light, telephone, radio, or television) within 5 feet (1.52m) of a spa or hot tub.

The use of alcohol, drugs or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

Water temperature in excess of 100°F (38°C) may be hazardous to your health.

AVERTISSEMENT

Les personnes atteintes de maladies infectieuses ne devraient pas utiliser une cuve de relaxation.

Pour éviter des blessures, user de prudence en entrant dans une cuve de relaxation et en sortant.

Pour éviter l'évanouissement et la noyade éventuelle, ne prendre ni drougue ni alcool avant d'utiliser une cuve de relaxation ni quand on s'y trouve.

Les femmes enceintes, que leur grossesse soit confirmée ou non, devraient consulter un médecin avant d'utiliser une cuve de relaxation.

Il peut être dangereux pour la santé de se plonger dans de l'eau à plus de 38°C (100°F).

Avant d'utiliser une cuve de relaxation mesurer la témperature de l'eau à l'aide d'un thermomètre précis.

Ne pas utiliser une cuve de relaxation immédiatement après un exercice fatigant.

L'utilisation prolongée d'une cuve de relaxation peut être dangereuse pur la santé.

Ne pas placer d'appareil électrique (luminaire, téléphone, radio, téléviseur, etc) à moins de 1.52m de cette cuve de relaxation.

La consommation d'alcool ou de drogue augmente considérablement les risques d'hyperthermie mortelle dans une cuve de relaxation.

Il peut etrê dangereux pour la santé de se plonger dans de l'eau à plus de 38°C (100°F).

WARNING

To avoid injury ensure that you use this control system to control only packaged pool/spa heaters which have built-in operating and high limit controls to limit water temperature for pool/spa applications. This device should not be relied upon as a safety limit control.

CAUTION

A terminal bar marked "GROUND" is provided within the power center. To reduce the risk of electrical shock, connect this terminal bar to the grounding terminal of your electric service or supply panel with a continuous copper conductor having green insulation and one that is equivalent in size to the circuit conductors supplying this equipment, but no smaller than no. 12 AWG (3.3mm). In addition, a second wire connector should be bonded with a no. 8 AWG (4.115mm) copper wire to any metal ladders, water pipes, or other metal within five (5) feet (1.52m) of the pool/spa.

CAUTION

A ground-fault circuit-interrupter must be provided if this device is used to control underwater lighting fixtures. The conductors on the load side of the ground-fault circuit-interrupter shall not occupy conduit, boxes, or enclosures containing other conductors unless the additional conductors are also protected by a ground-fault circuit-interrupter. Refer to local codes for complete details.

Attention installer: Install to provide drainage of compartment for electrical components.

SAVE THESE INSTRUCTIONS

Section 1. Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS
Lire la notice technique.

All electrical work must be performed by a licensed electrician and conform to all national, state, and local codes. When installing and using this electrical equipment, basic safety precautions should always be followed, including the following:

DANGER

To reduce the risk of injury, do not remove the suction fittings of your spa or hot tub. Never operate a spa or hot tub if the suction fittings are broken or missing. Never replace a suction fitting with one rated less than the flow rate marked on the equipment assembly.

WARNING

Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include dizziness, fainting, drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include: 1) unawareness of impending danger; 2) failure to perceive heat; 3) failure to recognize the need to exit spa; 4) physical inability to exit spa; 5) fetal damage in pregnant women; 6) unconsciousness resulting in a danger of drowning.

WARNING

To Reduce the Risk of Injury -

a) The water in a spa should never exceed 104°F (40°C). Water temperatures between 100°F (38°C) and 104°F (40°C) are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa use exceeds 10 minutes.
b) Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should limit spa water temperatures to 100°F (38°C).
c) Before entering a spa or hot tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature-regulating devices varies.
d) The use of alcohol, drugs, or medication before or during spa or hot tub use may lead to unconsciousness with the possibility of drowning.
e) Obese persons and persons with a history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a spa.
f) Persons using medication should consult a physician before using a spa or hot tub since some medication may induce drowsines while other medication may affect heart rate, blood pressure, and circulation.

WARNING

Risk of electric shock - Install the power center at least five (5) feet (1.52m) from the inside wall of the pool and/or hot tub using non-metallic plumbing. Canadian installations must be at least three (3) meters from the water.

Children should not use spas or hot tubs without adult supervision.

Do not use spas or hot tubs unless all suction guards are installed to prevent body and hair entrapment.

People using medications and/or having an adverse medical history should consult a physician before using a spa or hot tub.

AVERTISSEMENT

Danger d'electrocution - Les installations canadiennes doivent se trouver à au moins trois (3) mètres de l'eau.

Ne pas laisser les enfants utiliser une cuve de relaxation sans surveillance.

Pour éviter que les cheveux ou une partie du corps puissent être aspirés, ne pas utiliser une cuve de relaxation si les grilles de prise d'aspiration ne sont pas toutes en place.

Les personnes qui prennent des médicaments ou ont des problèmes de santé devraient consulter un médecin avant d'utiliser une cuve de relaxation.

Table of Contents

NOTE Some of the features described in this Manual DO NOT apply to all AquaLink® RS models.

Jandy®

Owner's Manual



AquaLink® RS

All Button
Control Systems

**For use with Pool/Spa Combination,
Pool Only/Spa Only, and Dual Equipment
AquaLink® RS Systems with Rev O.2 Firmware**

⚠ WARNING

FOR YOUR SAFETY - This product must be installed and serviced by a professional pool/spa service technician. The procedures in this manual must be followed exactly. Failure to follow warning notices and instructions may result in property damage, serious injury, or death. Improper installation and/or operation will void the warranty.

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